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SEQ ID NO: 408

&gt;5777 BLOOD 335198.1 X89066.1 g1370118 Human mRNA for TRPC1 protein. 0

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SEQ ID NO: 409

30 >5806 BLOOD 978358.7 U73304 g1657840 Human CB1 cannabinoid receptor (CNR1)  
 gene, complete cds. 0

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SEQ ID NO: 410

>5824 BLOOD 228699.5 X92106 g1321857 Human mRNA for bleomycin hydrolase. 0

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35 SEQ ID NO: 411

>5836 BLOOD 343991.1 J02960 g178203 Human beta-2-adrenergic receptor gene, complete cds. 0

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SEQ ID NO: 412

>5885 BLOOD 345860.21 X16832 g29709 Human mRNA for cathepsin H (EC 3.4.22.16). 0

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SEQ ID NO: 413

40 >5900 BLOOD 982889.1 Y00290 g36610 Human mRNA for steroid hormone receptor  
hERR2. 0

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SEQ ID NO: 414

35 >5918 BLOOD 403530.1 M67439 g181830 Human D5 dopamine receptor (DRD5) gene,  
complete cds. 0

CCCGGCGCAGCTCATGGTGAGCGCCTCTGGGGCTCGAGGGTCCCTTGGCTGAGG  
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SEQ ID NO: 415

>5932 BLOOD gi|3928192|emb|X62421.1|HSDNAJ Homo sapiens mRNA for DnaJ protein  
homologue

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SEQ ID NO: 416  
>5934 BLOOD 197542.1 S37375 g32468 Human HSJ1 mRNA. 0

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C A G T G G C A C C C A G A C A A A A C C C A G A T A A T A A A G A G T T T G C T G A G A A G A A T T T  
A A G G A G G T G G C C G A G G C A T A T G A A G T G C T G T C T G A C A A G C A C A A G C G G G A G A T T  
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20 A G G T C T T C C G G G A A T T C T T T G G G A G T G G A G A C C C T T T T G C A G A G C T C T T T G A T G A  
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G T G A A G C C C A G G G T G G G G G G T G T C A G G G C A G T G G A G G G G C C C G A G G A G C C A G G  
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G T G C C A T G T T G C G C T C T G A C C G T C T C T G T T G C T T C T C T T C T G G T G T T G C T T C T C C T C  
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SEQ ID NO: 417

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5 AGTGTCTCCCGGGCCTGTCCCCAACTCCTCCCCACCCCTCCCCCATCTCCTCTTTG  
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CAGGTGATGATGTGGCCCCGGAAGCTGGCCCTGCGTGCCATGAGTGCGTCGGTCA  
45 TGGAGTCCGGAGCCCCCTGAGCCGGGCCCTGGTGACGGCACAGCCCTCACAGCTC  
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SEQ ID NO: 418

>5956 BLOOD Hs.92208 gnl|UG|Hs#S376155 Human metargidin precursor mRNA,  
complete cds /cds=(7,2451) /gb=U41767 /gi=1235673 /ug=Hs.92208 /len=2740

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10 GTTGGTCCCAGGCCGCCCAACCCTGGTGTGGTACCAGCCCGATGGCACTCGGGTG  
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15 ACAGCGCCACATTCGCCGGAGGCGGGATGTGGTAACAGAGACCAAGACTGTGGA  
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40 GAATGTCGAAGCAAATGCCATGGACATGGGGTCTGTGACAGCAACAGGCACCTGC  
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GCACCGCCACGCGCTGTCAAGCAACACTCTGCGGACCTGCCGGCGTAGTTGCAG  
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5 AAAAAA

SEQ ID NO: 419

>5982 BLOOD 410650.1 U59831 g1399236 Human transcription factor, forkhead related  
activator 4 (FREAC-4) gene, complete cds. 0

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GCGTATTCTTTACAAGGAGTATTGTAAATTTTACTGGCAATTATTATTGTACTATT  
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AAATTCACCAAAATG

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SEQ ID NO: 420

>5987 BLOOD 220325.2 AF013988 g2318114 Human serine protease mRNA, complete cds.  
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40 CCGACTCAAGAATCCCCGGAGGCCCGGAGGCCTGCAGCAGGAGCGGCCATGAAG  
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45 ACCTTCGGCAAAGGGAGAGTTCCCAGGAGCAGAGTTCTGTTGTCCGGGCTGTGAT  
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GCTCAGCCAACACCACCAGCTGCCACATCCTGGGCTGGGGCAAGACAGCAGATG  
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5 ACCATTCAGGCCAAGTGACCCTGACATGTGACATCTACCTCCCGACCTACCACCC  
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15 SEQ ID NO: 421

>6005 BLOOD 350249.10 U78180 g1871167 Human sodium channel 2 (hBNC2) mRNA,  
alternatively spliced, complete cds. 0

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SEQ ID NO: 422

>6009 BLOOD gi|2281751|gb|U79666.1|HSU79666 Homo sapiens alpha1A-voltage-  
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5 GCAGGCCCCGGGAGGAGGGTCCGGAGGACAAGGCGGAGCGGAGGGCGCGGCAC  
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10 CAGCAGGACCTGGGCCGCAAGACCCACCCCTGGCAGAGGATATTGACAACATG  
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15 AGAATAGCCTTATCGTCACCAACCCAGCGGCACCCAGACCAATTCAGCTAAGA  
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30 AGATTGTCGAGGCAAATACCTCCTCTACGAGAAGAATGAGGTGAAGGCGCGAGA  
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 10 AGTCCACGGACCTCACCGTGGGGAAGATCTACGCAGCCATGATGATCATGGAGT  
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 GCGACTCCCCAACGGCTACTACCCGGCGCACGGACTGGCCAGGCCCGCGGGGCC  
 40 GGGCTCCAGGAAGGGCCTGCACGAACCCTACAGCGAGAGTGACGATGATTGGTG  
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SEQ ID NO: 423

45 >6010 BLOOD Hs.75794 gnl|UG|Hs#S2650864 Homo sapiens cDNA FLJ12746 fis, clone  
 NT2RP2000842, highly similar to Human lysophosphatidic acid receptor homolog mRNA  
 /cds=UNKNOWN /gb=AK022808 /gi=10434421 /ug=Hs.75794 /len=2687  
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TGGGTGGCCGTGCGTTCTTGCGAGCCGGCCTGCAGGAGGCGAGGCTCCCCTGGCC  
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 5 ACCTACAACCACAGAGCTGTCATGGCTGCCATCTCTACTTCCATCCCTGTAATTTT  
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 20 CTGGACTCCTGGATTGGTTTTTGTACTTCTAGACGTGTGCTGTCCACAGTGCGACG  
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 35 TTA  
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 45 TTATGGCATTAAAAATTTTACAAAAACATAATTTTAATGGCTATATTATATTCCAT  
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SEQ ID NO: 424

>6044 BLOOD 1089570.2 L35539 g577412 Human G-protein-coupled receptor (GPR1)  
gene, complete cds. 0

5 GATAAAAGTGGAATGAGGAATGCAGCCGTTCTGAACACCACCCTCCATTTTCATTC  
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10 ATATTGTTTGGCTTTTGTCTGGGAATTCCAGGAAATGCCATCGTCATTTGGTTCA  
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TGAACATGTTTGCCAGTGTTTTTTTCTGACAGTGATCAGCCTGGAGCACTATATT  
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15 TGTCATTATAT

SEQ ID NO: 425

>6051 BLOOD gi|762887|gb|U16953.1|HSU16953 Human potassium channel beta3 subunit  
mRNA, complete cds

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25 GGAAACCACCAGAGCAGAGACGGGCATGGCATAACAGGAATCTTGGAAAATCAG  
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30 TCTACTGGGGTGGAAAAGCTGAAACAGAAAGAGGGCTGTCAAGAAAGCATATTA  
TTGAAGGATTGAAGGGCTCCCTCCAGAGGCTGCAGCTCGAGTATGTGGATGTGGT  
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35 CCGGTCTGTGAACAAGCTGAGTACCATCTTTTCCAGAGAGAGAAAGTGGAGGTC  
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40 GATGCACACTACCTCAGCTAGCTGTTGCGTGGTGCCTGAGAAATGAAGGTGTGA  
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CATTGAGTTCTCCCAAAGATGACATCACATGTGGTAAATGAGATTGATAACATA  
CTGCGCAACAAGCCCTACAGCAAGAAGGACTATAGATCATAAGGCAATGCATGA  
ACCACAGAAGCTGCATGGTTAAAATAGCGGCCTGTGCCCAGTACAGAAAGGTGT  
45 TACTAACCAAGTCTTTTGAATCACTTAGCAGCTTGCTGCAACCTCTAGTGTCCCTCC  
CTGGATTCTTTGAGGTGTCTGACTGTCGCTACCACTGTGCACATCTGAAAACCTCA  
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SEQ ID NO: 426

>6117 BLOOD 197754.2 U67319 g1894912 Human Lice2 beta cysteine protease mRNA,  
complete cds. 0

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AGCTTAGAAGAAGTGGGAAGAGCATTATCAGGCTACGAAGACAGAGTGGGGTA  
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10 TTTTCCAAGGACAGGGAGGAGAAAGTATAAGGCCTGCTGTACCCTCGATGCAAA  
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15 ATTCAGTGGATGCTAAGCCAGACCGGTCTCTGTTGTACCGTCCCTCTTCAGTAA  
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20 TATAATGACTGCTCTTGTGCCAAGATGCAAGATCTGCTTAAAAAAGCTTCTGAAG  
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CAGGCTTGCCGAGGGACCGAGCTTGATGATGGCATCCAGGCCGAETCGGGGGCCC  
25 ATCAATGACACAGATGCTAATCCTCGATACAAGATCCCAGTGGAAGCTGACTTCC  
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30 CCATGCTCACCAAGGAAGTCTACTTCAGTCAATAGCCATATCAGGGGTACATTCT  
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40 AATGATTCTGATATGTATCCATCAGGATCCAGTCTGGAAAACAGAAACCATTCTA  
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SEQ ID NO: 427

>6121 BLOOD 138709.5 U40992 g6031211 Human heat shock protein hsp40 homolog

mRNA, complete cds. 0

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15 GAAATGGGGAAAGACTATTATTGCATTTTGGGAATTGAGAAAGGAGCTTCAGAT  
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GATTGCATTTCTTAGGTGTTTTAATTTTTTAAATATATTTATGTTTTAAAAATTTAG  
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5 GTTATAAAATAGTTTTTCAGGATTATATATATATACTGGATCCTATCGCCTTTTA  
GTAGAATATGAAATATTCTTTTAGAAATCCAATATAAATAGGTTATAATAGCCAT  
ATTCTTTATTACTTTATTGAGATATAATTTACATGCCATAAAGTTTACCCTTAAAA  
TAGATAATTCAGTGTTTTTAGTGATATTTACAAAGTGGTACAATCATCATCACTT  
TCTAATTCCAGAATATT

10

SEQ ID NO: 428

>6133 BLOOD 474194.5 M88279 g186389 Human immunophilin (FKBP52) mRNA,  
complete cds. 0

15

GCCGCGTGCAAGGCTCCTGCGCGGTCCGCAGTCAGTGCCGCCGC  
GCCCCGCCCTCCCGCACGCCCCGAGGTAGCGCCCCCGCCCGCGGCCAGAGTGC  
GCTCGCGCCGGCACCCAGCTCCCGGATAAACGGCGCGCCGCGCGGAGATGACAGC  
CGAGGAGATGAAGGCGACCGAGAGCGGGGCGCAGTCGGCGCCGCTGCCCATGG  
AGGGAGTGGACATCAGCCCCAACAGGACGAAGGCGTGCTGAAGGTCATCAAG  
AGAGAGGGCACAGGTACAGAGATGCCCATGATTGGGGACCGAGTCTTTATCCAC  
20 TACTGCTGGGCTATTAGATGGCACAAAGTTTGACTCCAGTCTGGATCGCAAG  
GACAAATTCTCCTTTGACCTGGGAAAAGGGGAGGTCATCAAGGCTTGGGACATT

20

GCCATAGCCACCATGAAGGTGGGGGAGGTGTGCEACATCACCTGCAAACCAGAA  
TATGCCTACGGTTCAGCAGGCAGTCTCCAAAGATTCCCCCAATGCCACGCTTG  
TATTTGAGGTGGAGTTGTTTGAGTTTAAGGGAGAAGATCTGACGGAAGAGGAAG

25

ATGGCGGAATCATTCGCAGAATACAGACTCGCGGTGAAGGCTATGCTAAGCCCA  
ATGAGGGTGCTATCGTGAGGTTGCACTGGAAGGGTACTACAAGGACAAGCTCT  
TTGACCAGCGGGAGCTCCGCTTTGAGATTGGCGAGGGGGAGAACCTGGATCTGC  
CTTATGGTCTGGAGAGGGCCATTCAGCGCATGGAGAAAGGAGAACATTCCATCG  
TGTACCTCAAGCCCAGCTATGCTTTTGGCAGTGTTGGGAAGGAAAAGTTCCAAAT  
30 CCCACCAAATGCTGAGCTGAAATATGAATTACACCTCAAGAGTTTTGAAAAGGC  
CAAGGAGTCTTGGGAGATGAATTCAGAAGAGAAGCTGGAACAGAGCACCATAGT  
GAAAGAGCGGGGCACTGTGTACTTCAAGGAAGGTAAATACAAGCAAGCTTTACT  
ACAGTATAAGAAGATCGTGTCTTGGCTGGAATATGAGTCTAGTTTTTCCAATGAG  
GAAGCACAGAAAGCACAGGCCCTTCGACTGGCCTCTCACCTCAACCTGGCCATGT

30

GTCATCTGAACTACAGGCCTTCTCTGCTGCCATTGAAAGCTGTAACAAGGCCCT  
AGAACTGGACAGCAACAACGAGAAGGGCCTCTCCGCCGGGGAGAGGCCACCT  
GGCCGTGAATGACTTTGAACTGGCACGGGCTGATTTCCAGAAGGTCTGCAGCTC  
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CGAAGGCAGCTTGCCCCGGGAGAAGAAGCTCTATGCCAATATGTTTGAGAGGCTG

40

GCTGAGGAGGAGAACAAGGCCAAGGCAGAGGCTTCCTCAGGAGACCATCCCACT  
GACACAGAGATGAAGGAGGAGCAGAAGAGCAACACGGCAGGGAGCCAGTCTCA  
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GAATTAGACCTTTATTTTTCTATCTGGTTGGATGGTGGCTTTAGGGGAAGGGGGA

45

AAGGTGTAGGCTGGGGGATTGAGGTGGGGAATCATTTTAGCTGGTGTACAGCCCT  
CTTCCCTTCCTCCATTGCACATGAACATATGTCCATCCATATATATTCATCAGAAT  
GTTAATTTATTTTGCTCCCTCTGTTAGGTCCATTTTCTAAGGGTAGAAGAGGCAAG  
TGGTAGGGATGAGGTCTGATAAGAACCAGGGTGGAGAGGGAGACTCCTGGGCA  
GCCGTTTTCTCATCCTTTCCCTCTCCAGTCCATTTCCAAATGTGGCCTCCATGT



GGGTGCTAGGGACATGGGAAAAACCACTGCTATGCCATTTCTTCTCTCTGTTCCC  
TTCCTCACCCCCGACGGTGTGGCTGATGATGTCTTCTGGTGTGCATGGTGACCACC  
CCCTGTTCCCTGTTCTGGTATTTCCCCTGTCAGTTTCCCCTCTCGGCCAGGTTGTGT  
CCCAAATCCCCTCAGCCTCTTCTCTGCACGTTGCTGAAGGTCCAGGCTTGCCTC  
5 AAGTTCCATGCTTGAGCAATAAAGTGGAACAATAAAACCTGGGTGTCAGACAA  
CCCTTTCTGTT

SEQ ID NO: 429

>6157 BLOOD Hs.1613 gnl|UG|Hs#S4015 H.sapiens mRNA for A2a adenosine receptor  
/cds=(893,2131) /gb=X68486 /gi=400451 /ug=Hs.1613 /len=2988

10 CATCACCTTTTTTTAAGTAGTAAGAATAAAGCCACTGTATGATTCTCTTAATAGCT  
ATACATTAATCCTGTTTTTAGTGCTGACTGGGCCAGCCTTCCGGGAAGTGGAGTC  
TGTCTCTTTCAGTGCTTTTTTGTTTTTTGTGGTTTTTTCGAGACGGGGTCGATCAC  
GGCTCACACAGCCTTAACCTCCAGGGCTCCAGCAATCCTCCCACCTCAGCCTCC  
15 TGAGTAGCTGGGACCACAGGTGTGTGCCACCATCTCCAGCAGTTTGTATTATTTAT  
TTTTTCTTTTTTTTTTTTTTGGTAGAAATGGGCTTTTCGCCCATGTTGCCCAAGCTGG  
TCTTGCACTTCTGGGCTGAAGCAATCCTCTCGCCTTGGCCTCCCAGAGCCTTGGG  
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20 TGCCCAGAGTCCCTCAGAAAAAAACAGACCACATCTGATCCTTGGCCCTGAGTCC  
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GCTGCCAGAACCCCTGCAGAGGGCCTGGTTTCAGGAGACTCAGAGTCCCTCTGTGA  
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25 GGCTCAGGGGTCTGGGCCCTCCGCCTGGGCCGGGCTGGGAGCCAGGCGGGCGG  
CTGGGCTGCAGCAATGGACCGTGAGCTGGCCCAGCCCGCGTCCGTGCTGAGCCT  
GCCTGTCGTCTGTGGCATGCCCATCATGGGCTCCTCGGTGTACATCACGGTGGAG  
CTGGCCATTGCTGTGCTGGCCATCCTGGGCAATGTGCTGGTGTGCTGGGCCGTGT  
GGCTCAACAGCAACCTGCAGAACGTACCAACTACTTTGTGGTGTCACTGGCGGC  
30 GGCCGACATCGCAGTGGGTGTGCTCGCCATCCCCTTTGCCATCACCATCAGCACC  
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CACGCAGAGCTCCATCTTCAGTCTCCTGGCCATCGCCATTGACCGCTACATTGCC  
ATCCGCATCCCGCTCCGGTACAATGGCTTGGTGACCGGCACGAGGGCTAAGGGC  
ATCATTGCCATCTGCTGGGTGCTGTGCTTTGCCATCGGCCTGACTCCCATGCTAGG  
35 TTGGAACAACCTGCGGTCAGCCAAAGGAGGGCAAGAACCACTCCCAGGGCTGCGG  
GGAGGGCCAAGTGGCCTGTCTCTTTGAGGATGTGGTCCCCATGAACATACATGGTG  
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40 GTCATGGCCATCATTGTGGGGCTCTTTGCCCTCTGCTGGCTGCCCTACACATCA  
TCAACTGCTTCACTTTCTTCTGCCCCGACTGCAGCCACGCCCTCTCTGGCTCATG  
TACCTGGCCATCGTCCTCTCCCACACCAATTTCGGTTGTGAATCCCTTCATCTACGC  
CTACCGTATCCGCGAGTTCCGCCAGACCTTCCGCAAGATCATTTCGCAGCCACGTC  
CTGAGGCAGCAAGAACCTTTCAAGGCAGCTGGCACCAGTGCCCGGGTCTTGGCA  
45 GCTCATGGCAGTGACGGAGAGCAGGTGAGCCTCCGTCTCAACGGGCCACCCGCCA  
GGAGTGTGGGCCAACGGCAGTGCTCCCCACCCTGAGCGGAGGCCCAATGGCTAT  
GCCCTGGGGCTGGTGAGTGGAGGGAGTGCCCAAGAGTCCCAGGGGAACACGGGC  
CTCCCAGACGTGGAGCTCCTTAGCCATGAGCTCAAGGGAGTGTGCCAGAGCCC  
CCTGGCCTAGATGACCCCTGGCCCAGGATGGAGCAGGAGTGTCTCTGATGATTCA

TGGAGTTTGGCCCTTCCTAAGGGAAGGAGATCTTTATCTTTCTGGTTGGCTTGACC  
AGTCACGTTGGGAGAAGAGAGAGAGTGCCAGGAGACCCTGAGGGCAGCCGGTTC  
CTACTTTGGAAGTGAAGAAGGGAGCCCCAGGCTGGAGCAGCATGAGGCCAGCA  
AGAAGGGCTTGGGTTCTGAGGAAGCAGATGTTTCATGCTGTGAGGCCTTGCACCA  
5 GGTGGGGGCCACAGCACCAGCAGCAGCATCTTTCTGGGCAGGCCAGCCCTCCA  
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GACATTTGACTTTTTTCCAGGAAAAATGTAAGTGTGAGGAAACCCCTTTTATTTT  
10 ATTACCTTTCACTCTCTGGCTGCTGGGTCTGCCGTCGGTCTGCTGCTAACCTGGC  
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CATCCACTTCTCAGTCCCAGGGCCATCTCTTGGAGTGACAAAGCTGGGATCAAGG  
ACAGGGAGTTGTAACAGAGCAGTGCCAGAGCATGGGCCAGGTCCCAGGGGAG  
AGGTTGGGGCTGGCAGGCCACTGGCATGTGCTGAGTAGCGCAGAGCTACCCAGT  
15 GAGAGGCCTTGTCTAACTGCCTTTCCTTCTAAAGGGAATGTTTTTTCTGAGATAA  
AATAAAAACGAGCCACATCGTGTTTTAAG

SEQ ID NO: 430

>6176 BLOOD 480902.3 X83860 g633213 Human mRNA for prostaglandin E receptor  
(EP3c). 0

20 ACCAGAGGTTTCCCAGAGAGGAAGGCGTGGCTCCCTCCCGGGCCAGTGAGCCCT  
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CACCATGGGGGGGAGGCCAGGCCAGCGCGGTAAACGCCGACCTCCGGCGCGG  
CCGCGCGCCCGTCTGCCCCCTCCCGGTGGGGCTCTCTGGACGCCATCCCTCCTCAG  
25 CTCGAAGCCAACATGAAGGAGACCCGGGGCTACGGAGGGGATGCCCCCTTCTGC  
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CCATGCTGCTCGTGTGCGCAGCTACCGGCGCCGGGAGAGCAAGCGCAAGAAGT  
30 CTTTCTGCTGTGCATCGGCTGGCTGGCGCTCACCGACCTGGTCGGGCAGCTTCT  
CACCACCCCGGTCTGCATCGTGTACCTGTCCAAGCAGCGTTGGGAGCACATC  
GACCCGTCGGGGCGGCTCTGCACCTTTTTTCGGGCTGACCATGACTGTTTTCGGGC  
TCTCCTCGTTGTTTCATCGCCAGCGCCATGGCCGTCGAGCGGGCGCTGGCCATCAG  
GGCGCCGCACTGGTATGCGAGCCACATGAAGACGCGTGCCACCCGCGCTGTGCT  
35 GCTCGGCGTGTGGCTGGCCGTGCTCGCCTTCGCCCTGCTGCCGGTGCTGGGCGTG  
GGCCAGTACACCGTCCAGTGGCCCCGGGACGTGGTGCTTCATCAGCACCGGGCGA  
GGGGGCAACGGGACTAGCTCTTCGCATAACTGGGGCAACCTTTTCTTCGCCTCTG  
CCTTTGCCCTTCTGGGGCTCTTGGCGCTGACAGTCACCTTTTCTGCAACCTGGCC  
ACCATTAAGGCCCTGGTGTCCCGCTGCCGGGCCAAGGCCACGGCATCTCAGTCCA  
40 GTGCCAGTGGGGCCGCATCACGACCGAGACGGCCATTACAGCTTATGGGGATCA  
TGTGCGTGTGTCGGTCTGCTGGTCTCCGCTCCTGATAATGATGTTGAAAATGAT  
CTTCAATCAGACATCAGTTGAGCACTGCAAGACACACACGGAGAAGCAGAAAGA  
ATGCAACTTCTTCTTAATAGCTGTTTCGCCTGGCTTCACTGAACCAGATCTTGGATC  
CTTGGGTTTACCTGCTGTAAAGAAAGATCCTTCTTCGAAAGTTTTGCCAGGTAGC  
45 AAATGCTGTCTCCAGCTGCTCTAATGATGGACAGAAAGGGCAGCCTATCTCATTA  
TCTAATGAAATAATACAGACAGAAGCATGAAAGAAAACACTTAACTTGCATGTG  
CACAGCTTTTGGTAACAAATATCGCTAAACCTTACTGTGAATTTAGGCATCTCTG  
GCATGCCACTGTTTATGCATTGAAGTGGAATTTTTGGTATAAAGCTAAATGGTCT  
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AATATATTAATAACAGTCTAGTGTTTTTGTGAGTCTGCCATTCGTAGCTGAATAT  
 GTGATTAATTATGTGATGAAAACATTTTTTATAAATGATCTTGGTCTATTGGGGA  
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 5 TCTTTCATTGCCTCTCTCGCTTTCTGTCACTTTTTTCTCCTTACATTAAAGAAAAG  
 TTTAATTACAGTTAAAAATGTATAATGTATTTATAATATTCATCGATACCATTATT  
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 10 TTTACATTTCTATGAGCCTAAGGAAGATTCATGAAACTGACCTATGAGAGTCGTG  
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 15 GCTCTTCTGCCTGCTCCTCAAAGTGGCTCTATCTAAATATTTATTACTAAAATGTT  
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 GGTCGATTCATTTTGTAAACCCATTAACTTTTTATTGTGAAGATTTTCATTTGCAG  
 20 TTTCTTGCCTGCTTTTCTAGTTTTTTTAAAAGCTTGAGATTTATTTATACTTCTTGT  
 AGTAACTGCATATTTCTGTGTGTGTTTAGTGGTAAAGAATTAATTTTGATAGGTA  
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 TTTTAAATGACCATGTCAAATTGAATTTGGAGACAAAATCTGTTGAGAGTGGCTTA  
 TGTAAATTAATGATGGTTCTACTAACTAAATTTTGGAAAAGGTGATAAATAGACTA  
 25 TACTAAAATCTCTCTATGCCATAGAATTGGATTATCCTGTAGGTCATCTCATTGGG  
 TCTAAGACAAAACCTACTTTTTTTCAAAGTGCCTGAAATCACATAATAAAA  
 GAGGCTTTACCTCTTGGTTGGTCCTGTGACCCTAAGTTCTAGTCAGATAGACACA  
 GAGGCAATGTGAATTTGAGTGGCATGAGCATGATTAGGTTATTCCTTCCAGCATC  
 TAGTATAGCACCTGGAATATAGAAACTGTCTAATACATATTTATTTCAGTGAATCA  
 30 ATGAGCAGAAGTTTGGCAGGACAGTACACATTGGCAAGGCACATACCATATGAT  
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 ACAACACAGTGCTTTATTTATACTAATAATTTAGGAGACTGATACTTCCAAATGA  
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 35 AAAGGCAAAAAACCTGACACTTATTCTTAACTGCAAAATTAATTCCTGCCCAGGG  
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 AAGGGAGGTGGAAAACAAAGAAATTATGTAAATGGCATATGAGTTTTATTATCT  
 AGGCATTTCGTTAGTATGGGGAAACCTGCATAAGCAACTGAAAATCCCAAATGAT  
 TTCAGCCTTTTCATGATGGTTGAGGTTAGATTTTCAGAGATGTACAGAGACTAGAG  
 40 CGGTGGTTAGAAAGAGGATATATGTAGTCACAGCAGAAAGACGTGTCTAAGTTT  
 AATTTTATTGGCTTTCAAGTTCACCTCATGTATACTTAGTTTGTCCATACATATGTC  
 TAATCAGGAAAAATGCATGTATAGATTATGACAATTCCTGAATTTTGAAGTATTG  
 GTTAAAAGACAATTAAGGCCAAGAAAACCATGGTGGAGAAGTAAGCGAATG  
 AAATGTAGAAATATATGTAAAATTAGCAAGTGTCAATTTTACCAAGTAGTGTTGA  
 45 TTTTCCAAACAATGAATTTATATACTATGCTGAGTCACAGAGAAGAATGATCACA  
 TGTTACTTAATGAGAGCAGTTTACTTTTCAAATAAAAATAGGTATGATGAATGTCT  
 TAAAAATATCTTGAAGTTGAAGAAACAAAAATGAGTTATCTCAATATTTACCAAG  
 TTAACCTAGTGCTGTATATATCCCAAGATATTTTAGGTAAATGTAAGTGTTTAATC  
 ATGCCAGATTTAAACTAGTCTGAAATATAGGGTATACATATTTTCTACTTACAT

TTCTTTATTTTATGAAATATCCGACCATGTTGCAGAAAATAATGCAAAACCTCAT  
GTAAGTTAACTATGAAAGATCCTGTGAGCACATTGGCATTGAGTGACAGACAAA  
CTAAAAACTGGCAAACAGTATTTTAATAAGGGGGTCACTCTGTGGCAGTATTCTA  
ATATTGGATTTTCAAGTAGATTAGGCTTTTTATTATTCAACGCTTTTTATAATTTT  
5 GTTCTTTTTGACTCCAAATTATTGGTCAGCTTTCAACCTTCTCCACATCAGCAATC  
ACTAATAGTTCTTTTGGTTGAGATCAACTCAGAA

SEQ ID NO: 431

>6204 BLOOD 350550.3 S74902 g984506 Human P2U nucleotide receptor mRNA,

complete cds. 0

10 GGGGAACAGCGCAGGGAGGTGGGTAGCCGGGCTCCCAGGCACGTGGGTCTCTGC  
GGCTGCGGCGGGACCCGGGCACTGGCACCCGGGAGCGGCGGCGACGGCACCCCG  
AGAGGAGAAGCGCAGCGCAGTGGCGAGAGGAGCCCTTGTGGCAGCAGCACTA  
CCTGCCCAGAAAAATGCTGGAGGCTGGGCGTGGCCCCAGGCCTGGGGACCTGTT  
15 TTTCTGTTTCCCGCAGAGTTCCCTGCAGCCCGGTCCAGGTCCAGGCGTGTGCATT  
CATGAGTGAGGAACCCGTGCAGGCGCTGAGCATCCTGACCTGGAGAGCAGGGGC  
TGGTCAGGGCGATGGCAGCAGACCTGGGCCCCTGGAATGACACCATCAATGGCA  
CCTGGGATGGGGATGAGCTGGGCTACAGGTGCCGCTTCAACGAGGACTTCAAGT  
ACGTGCTGCTGCCTGTGTCTACGGCGTGGTGTGCGTGCTTGGGCTGTGTCTGAA  
20 CGCCGTGGCGCTCTACATCTTCTTGTGCCGCTCAAGACCTGGAATGCGTCCACC  
ACATATATGTTCCACCTGGCTGTGTCTGATGCACTGTATGCGGCCTCCCTGCCGCT  
GCTGGTCTATTACTACGCCCGGGGGGACCACTGGCCCTTCAGCAGCGTGTCTGCG  
AAGCTGGTGCGCTTCCCTCTTCTACAGCAACCTTACTGCAGCATCCTCTTCTCTCAC  
CTGCGATCAGCGTGCACCGGTGTCTTGGGCGTCTTACGACCTCTGCGCTCCCTGCGC  
25 TGGGGCCGGGCCCCGCTACGCTCGCCGGGTGGCCGGGGCCGTGTGGGTGTTGGTG  
CTGGCCTGCCAGGCCCCCGTGTCTACTTTGTACCAACCAGCGCGCGCGGGGGCC  
GCGTAACCTGCCACGACACCTCGGCACCCGAGCTCTTCAGCCGCTTCGTGGCCTA  
CAGCTCAGTCATGCTGGGCCTGCTCTTCGCGGTGCCCTTTGCCGTTCATCCTTGCT  
GTTACGTGCTCATGGCTCGGCGACTGCTAAAGCCAGCCTACGGGACCTCGGGCG  
30 GCCTGCCTAGGGCCAAGCGCAAGTCCGTGCGCACCATCGCCGTGGTGCTGGCTGT  
CTTCGCCCTCTGCTTCCTGCCATTCCACGTACCCGCAACCCTCTACTACTCCTTCC  
GCTCGCTGGACCTCAGCTGCCACACCCTCAACGCCATCAACATGGCCTACAAGGT  
TACCCGGCCGCTGGCCAGTGCTAACAGTTGCCTTGACCCCGTGCTCTACTTCCCTG  
GCTGGGCAGAGGCTCGTACGCTTTGCCCGAGATGCCAAGCCACCCACTGGGGCC  
35 CAGCCCTGCCACCCCGGCTCGCCGCAGGCTGGGCCTGCGCAGATCCGACAGAAC  
TGACATGCAGAGGATAGAAGATGTGTTGGGCAGCAGTGAGGACTCTAGGCGGAC  
AGAGTCCACGCCGGCTGGTAGCGAGAACACTAAGGACATTCGGCTGTAGGAGCA  
GAACACTTCAGCCTGTGCAGGTTTATATTGGGAAGCTGTAGAGGACCAGGACTTG  
TGCAGACGCCACAGTCTCCCCAGATATGGACCATCAGTGAATCATGCTGGATGAC  
40 CCCATGCTCCGTCATTTGACAGGGGCTCAGGATATTCACCTCTGTGGTCCAGAGTC  
AACTGTTCCCATAAACCCCTAGTCATCGTTTGTGTGTATAAGTTGGGGGAATTAAG  
TTTCAAGAAAGGCAAGAGCTCAAGGTCAATGACACCCCTGGCCTGACTCCCATG  
CAAGTAGCTGGCTGTACTGCCAAGGTACCTAGGTTGGAGTCCAGCCTAATCAAGT  
CAAATGGAGAAACAGGCCCAGAGAGGAAGGTGGCTTACCAAGATCACATACCA  
45 GAGTCTGGAGCTGAGCTACCTGGGGTGGGGGCCAAGTCACAGGTTGGCCAGAAA  
ACCCTGGTAAGTAATGAGGGCTGAGTTTGCACAGTGGTCTGGAATGGACTGGGT  
GCCACGGTGGACTTAGCTCTGAGGAGTACCCCCAGCCCAAGAGATGAACATCTG  
GGGACTAATATCATAGACCCATCTGGAGGCTCCCATGGGCTAGGAGCCAGTGTG  
AGGCTGTAACCTATACTAAAGGTTGTGTTGCCTGCTGAAAAAA

SEQ ID NO: 432

&gt;6217 BLOOD gi|535478|gb|U12512.1|HSU12512 Human bradykinin receptor B1 subtype mRNA, complete cds

5 CTGTGCATGGCATCATCCTGGCCCCCTCTAGAGCTCCAATCCTCCAACCAGAGCC  
AGCTCTTCCCTCAAAATGCTACGGCCTGTGACAATGCTCCAGAAGCCTGGGACCT  
GCTGCACAGAGTGCTGCCGACATTTATCATCTCCATCTGTTTCTTCGGCCTCCTAG  
GGAACCTTTTTTGTCTGTGTTGGTCTTCCTCCTGCCCCGGCGGCAACTGAACGTGGC  
AGAAATCTACCTGGCCAACCTGGCAGCCTCTGATCTGGTGTGTTGTCTTGGGCTTG  
10 CCCTTCTGGGCAGAGAATATCTGGAACCAGTTTAACTGGCCTTTCGGAGCCCTCC  
TCTGCCGTGTCATCAACGGGGTTCATCAAGGCCAATTTGTTTCATCAGCATCTTCCT  
GGTGGTGGCCATCAGCCAGGACCGCTACCGCGTGCTGGTGCACCCTATGGCCAG  
CGGAAGGCAGCAGCGGCGGAGGCAGGCCCGGGTACCTGCGTGCTCATCTGGGT  
TGTGGGGGGCCTCTTGAGCATCCCCACATTCTGCTGCGATCCATCCAAGCCGTC  
15 CCAGATCTGAACATCACCGCCTGCATCCTGCTCCTCCCCATGAGGCCTGGCACT  
TTGCAAGGATTGTGGAGTTAAATATTCTGGGTTTCTCCTACCACTGGCTGCGAT  
CGTCTTCTTCAACTACCACATCCTGGCCTCCCTGCGAACGCGGGAGGAGGTCAGC  
AGGACAAGAGTGCGGGGGCCGAAGGATAGCAAGACCACAGCGCTGATCCTCAC  
GCTCGTGGTTGCCTTCCTGGTCTGCTGGGCCCCCTTACCACTTCTTTGCCTTCCTGG  
20 AATTCTTATTCCAGGTGCAAGCAGTCCGAGGCTGCTTTTGGGAGGACTTCATTGA  
CCTGGGCCTGCAATTGGCCAACCTTCTTTGCCTTCACTAACAGCTCCCTGAATCCA  
GTAATTTATGTCTTTGTGGGCGCGCTCTTCAGGACCAAGGTCTGGGAACTTTATA  
AACAATGCACCGCTAAAAGTCTTGCTCCAATATCTTCATGCCATAGGAAAGAAAT  
CTTCCAACCTTTCTGGCGGAATTAAAACAGCATTGAACC

SEQ ID NO: 433

&gt;6227 BLOOD gi|182389|gb|M57285.1|HUMFACX Human coagulation factor X (F10) mRNA, complete cds

30 ATGGGGCGCCCACTGCACCTCGTCCTGCTCAGTGCCTCCCTGGCTGGCCTCCTGC  
TGCTCGGGGAAAGTCTGTTTCATCCGCAGGGAGCAGGCCAACAACATCCTGGCGA  
GGGTCACGAGGGCCAATTCCTTTCTTGAAGAGATGAAGAAAGGACACCTCGAAA  
GAGAGTGCATGGAAGAGACCTGCTCATAACGAAGAGGCCCGCGAGGTCTTTGAGG  
ACAGCGACAAGACGAATGAATTCTGGAATAAATAACAAAGATGGCGACCAGTGTG  
AGACCAGTCCTTGCCAGAACCAGGGCAAATGTAAAGACGGCCTCGGGGAATACA  
35 CCTGCACCTGTTTAGAAGGATTGCAAGGCAAAAACTGTGAATTATTCACACGGA  
AGCTCTGCAGCCTGGACAACGGGGACTGTGACCAGTTCTGCCACGAGGAACAGA  
ACTCTGTGGTGTGCTCCTGCGCCCCGCGGGTACACCCTGGCTGACAACGGCAAGGC  
CTGCATTCCCACAGGGCCCTACCCCTGTGGGAAACAGACCCTGGAACGCAGGAA  
GAGGTCAGTGGCCCAGGCCACCAGCAGCAGCGGGGAGGCCCCCTGACAGCATCAC  
40 ATGGAAGCCATATGATGCAGCCGACCTGGACCCACCGAGAACCCTTCGACCT  
GCTTGACTTCAACCAGACGCAGCCTGAGAGGGGGCGACAACAACCTCACCAGGAT  
CGTGGGAGGCCAGGAATGCAAGGACGGGGAGTGTCCCTGGCAGGCCCTGCTCAT  
CAATGAGGAAAACGAGGGTTTCTGTGGTGGAACTATTCTGAGCGAGTTCTACATC  
CTAACGGCAGCCCCTGTCTCTACCAAGCCAAGAGATTCAAGGTGAGGGTAGGG  
45 GACCGGAACACGGAGCAGGAGGAGGGCGGTGAGGCGGTGCACGAGGTGGAGGT  
GGTCATCAAGCACAACCGGTTTCAAAAGGAGACCTATGACTTCGACATCGCCGT  
GCTCCGGCTCAAGACCCCCATCACCTTCCGCATGAACGTGGCGCCTGCCTGCCTC  
CCCGAGCGTGACTGGGCGGAGTCCACGCTGATGACGCAGAAGACGGGGATTGTG  
AGCGGCTTCGGGCGCACCCACGAGAAGGGCCGGCAGTCCACCAGGCTCAAGATG

CTGGAGGTGCCCTACGTGGACCGCAACAGCTGCAAGCTGTCCAGCAGCTTCATCA  
TCACCCAGAACATGTTCTGTGCCGGCTACGACACCAAGCAGGAGGATGCCTGCC  
AGGGGGACAGCGGGGGGCCGCACGTCACCCGCTTCAAGGACACCTACTTCGTGA  
CAGGCATCGTCAGCTGGGGAGAGGGCTGTGCCCGTAAGGGGAAGTACGGGATCT  
5 ACACCAAGGTCACCGCCTTCCTCAAGTGGATCGACAGGTCCATGAAAACCAAGG  
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GTGAGATCCCACTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

SEQ ID NO: 434

10 >6233 BLOOD 988660.1 L33930 g500848 Human CD24 signal transducer mRNA, complete  
cds and 3' region. 0

CCTTTCCTCTGCGGCGGGCCGAGAGATAACCCTGCCCGAGGGGTCCCGGCGCCCCG  
CCCCCACGCGGTGCACTGGAATTCGACAGCCCCTCTCGGGTCCCGGGGCGCAT  
TTTGCAGTCTGAGTGGCAATGCACTTGCTCCAGGACAGGCGGCTACCCCGCCGCA  
15 GCGAGGCGCGGACTTTTCTTTTGGGGGGTTCGCCGGCTCGCCGCGCTCCCCACCT  
TGCCTGCGCCCCGCCGAGCCAGCGGTTCTCCAAGCACCCAGCATCCTGCTAGAC  
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20 GCCCCAAATCCAACCTAATGCCACCACCAAGGCGGCTGGTGGTGCCTGCAGTCA  
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25 AGAACATGTGAGAGGTTTGACTAGATGATGGATGCCAATATTAAATCTGCTGGA  
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30 TGTACATGAGAAGGAACCTCCAGGTGTTACTGTAATTCCTCAACGTATTGTTTCG  
ACAGCACTAATTTAATGCCGATATACTCTAGATGAAGTTTTACATTGTTGAGCTA  
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TGCATTTGACCTTTTATGTAGTAATTGACATGTGCCAGGGCAATGATGAATGAGA  
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35 AATGGTAGGCATTTCCCTATCACCTGTTTCCATTCAACAAGAGCACTACATTCATT  
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40 NNN  
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45 ACTATAAATCAAGTATTTGGGAAGTGAAGACTGGAAGCTAATTTGCATAAATTCA  
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 5 TGATTCATAGTAACTTCTTATGGAATTGATTTGCATTGAACACAACTGTAAATA  
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SEQ ID NO: 435

>6245 BLOOD 222810.1 M33537 g182662 Human N-formylpeptide receptor (fMLP-R98)

mRNA, complete cds. 0

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 30 CCTGACCGAGGACTCAACCCAAACCAGTGACACAGCTACCAATTCTACTTTACCT  
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 35 TGGACCTCAGCCTCGGGTGGTCAGGGTGGGAAATGATAGGAAGAAGCTGTCATC  
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SEQ ID NO: 436

>6269 BLOOD 234630.33 M59040 g180129 Human cell adhesion molecule (CD44) mRNA,  
 complete cds. 0

45 CTTGCTCGCTCCCTCCCTCCGTCTTAGGTCACTGTTTTCAACCTCGAATAAAAAC  
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 TCCTCCAGCTCCTTTGCCCCGCGCCCTCCGTTCGCTCCGGACACCATGGACAAGTT  
 TTGGTGGCACGCAGCCTGGGGACTCTGCCTCGTGCCGCTGAGCCTGGCGCAGATC



GATTTGAATATAACCTGCCGCTTTGCAGGTGTATTCCACGTGGAGAAAAATGGTC  
 GCTACAGCATCTCTCGGACGGAGGCCGCTGACCTCTGCAAGGCTTTCAATAGCAC  
 CTTGCCCACAATGGCCCAGATGGAGAAAGCTCTGAGCATCGGATTTGAGACCTG  
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 5 ATCTGTGCAGCAAACAACACAGGGGTGTACATCCTCACATCCAACACCTCCCAGT  
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 15 GGCCTTGGCTTTGATTCTTGCAGTTTGCATTGCAGTCAACAGTCGAAGAAGGTGT  
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 25 AACAAAACTACACATATGTATTCCCTGATCGCCAACCTTTCCCCCACCAGCTAAG  
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 30 GTGTTTTTGAAATATTAAACCCTGGATCAGTCCTTTGATCAGTATAATTTTTTAAA  
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SEQ ID NO: 437

35 >6289 BLOOD GB\_M80800 gi(164698) PIGTRKC Pig gp145-trkC (trkC) mRNA, complete  
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 40 CCGGCGGCCGACGATGGGAACCTCTTCCCCCTCCTGGAAGGGCAGGATTCAGG  
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 45 GTAACCGGCTCACCACACTCTCATGGCAGCTCTTCCAGACGCTGAGTCTTCGGGA  
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5 ACTGTTCACTACCCCCACGAGTGGTGAACCTGGAGGAGCCAGAGCTGCGCCTG  
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10 CCATCAATGGCCACTTCCTCAAGGAGCCTTTTCCAGAGAGCACGGATAACTTTGT  
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15 CATCACGATCAACCATGGCATCACACACCCTCATCACTGGACGCCGGGCCGGA  
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TGGCCGAGTGCTACAACCTCAGCCCCACCAAGGTCAAGATGCTCGTGGCTGTGA  
20 AGGCCCTGAAGGATCCCACCCTGGCCGCCCGGAAGGATTTCCAGAGGGAGGCTG  
AGCTGCTCACCAACCTGCAGCATGAGCACATTGTCAAGTTCTATGGGGTGTGCGG  
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CAAGTTCCTCAGGGGCCATGGGGCAGATGCCATGATCCTCGTGGACGGCCAGCC  
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25 GATCTGCTCTGGCATGGTGTACCTGGCCTCCCAGCATTTTGTGCACCGGGACCTG  
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30 AAGCAGCCATGGTTCCAACCTCTCAAACACAGAGGTCATTGAGTGCATCACCCAA  
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TGGGGTGCTGGCAGAGGGAACCGCAGCAGCGGCTGAACATCAAGGAAATCTACA  
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SEQ ID NO: 438

>6304 BLOOD 447973.12 D50683 g1827474 Human mRNA for TGF-betaIIIR alpha,  
complete cds. 0

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GCCTCCAGGCCCCCTCCTGGCTGGCGAGCGGGCGCCACATCTGGCCCGCACATCT  
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45 GCGGGGTCTGCCATGGGTGCGGGGGCTGCTCAGGGGCCTGTGGCCGCTGCACATC  
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10 AAGGTCGCTTTGCTGAGGTCTATAAGGCCAAGCTGAAGCAGAACACTTCAGAGC  
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20 GATGAATTTGGAGAATGTTGAGTCCTTCAAGCAGACCGATGTCTACTCCATGGCT  
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25 ACCCAGAGGGCCCGTCTCACAGCCCAGTGTGTGGCAGAACGCTTCAGTGAGCTGG  
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30 AAGCAGAAACAACAGCAGCAGGGAGTGGGTGACATAGAGCATTCTATGCCTTTG  
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45 ATTCTCACTCTAGGCTTTATCGTGTTTACTTTTTTCATTACACTTGACTTGATTTTCT  
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SEQ ID NO: 439

&gt;6308 BLOOD Hs.22675 gnl|UG|Hs#S1969031 Homo sapiens mRNA for KIAA1144

protein, partial cds /cds=(119,1588) /gb=AB032970 /gi=6329972 /ug=Hs.22675 /len=5027

5 CACACTCGCACCCGCGCACGCACCGCCAGCAGGCAGCGGCCACCGCCGCGATGC  
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10 GAGACGCGCCTGGGCCGCTTGCTGCTCTGCCACTCGCGCGAGGCCATTCTGGAGC  
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25 TGCTCTACCTCTCCGTGGGGATTTCCATCTTCTCCGTGGTGGCCTACACCAATTGAA  
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40 GTGAGTGAGGAAGGGCATGTTGTAATGCCAAGCTGATTTGTAGCTCGTAAGGTA  
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SEQ ID NO: 440

>6321 BLOOD gi|177991|gb|M16405.1|HUMACHRM4 Human m4 muscarinic  
acetylcholine receptor gene

5 TCTAGACCACCAGCCTGGACAACATACCAAGACCCTGTCTCTACAAATAAATAG  
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SEQ ID NO: 441

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CCCCACAGAGGATGGTGGCTGGCAGGTCCATGGCGTGACCAGCTTTGTTTCTGCC  
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SEQ ID NO: 442

>6332 BLOOD 1095450.1 X87949 g1143491 Human mRNA for BiP protein. 0

371



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SEQ ID NO: 443

>6336 BLOOD 988256.7 M21121 g339420 Human T-cell-specific protein (RANTES)

mRNA, complete cds. 0

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 40 CGGGGTAAAGAGATCCGAGCCATTCTTGGTTACCCCGGTGAAACCCAGTCTCC  
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SEQ ID NO: 444

>6352 BLOOD 346440.22 M24899 g537521 Human triiodothyronine (ear7) mRNA,  
complete cds. 0

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CCCCTCCCACCGCCCCGCCCCCTTGGGGCGCAGGGCATGGTGTGAAAGGCCAAG  
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SEQ ID NO: 445

>6353 BLOOD Hs.73817 gnl|UG|Hs#S268571 Homo sapiens gene for LD78 alpha

precursor, complete cds /cds=(86,364) /gb=D90144 /gi=219905 /ug=Hs.73817 /len=781  
 35 CAGAAGGACACGGGCAGCAGACAGTGGTCAGTCCTTTCTTGGCTCTGCTGACACT  
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 40 TTCATAGCTGACTACTTTGAGACGAGCAGCCAGTGCTCCAAGCCCGGTGTCATCT  
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GATGCTTTTGTTCAGGGCTGTGATCGGCCTGGGGAAATAATAAAGATGCTCTTTT  
AAAAGGTAAA

SEQ ID NO: 446

5 >6372 BLOOD 902559.1 M34309 g183990 Human epidermal growth factor receptor  
(HER3) mRNA, complete cds. 0

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10 CTTGGCTGGGCTCCCTTCACCCTCTGCGGAGTCATGAGGGCGAACGACGCTCTGC  
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25 AGAGGATGTCAACGGTTATGTCATGCCAGATACACACCTCAAAGGTACTCCCTCC  
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CTTAAACAATTCTGTGACATACATATTATCTCATTTTNNNNNNNNNNNNNNNNNN  
NN  
NN  
NN

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Figure 1

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12

GCAGAAATGATTAAAAATGTTTGAGCACAACTTGCCGTGCATGTGTGAAGTGAAA  
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SEQ ID NO: 448

>6407 BLOOD 199338.3 M31315 g182291 Human coagulation factor XII (Hageman)  
 mRNA, 3' end. 0

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 45 AGGGCCACCGCCTGTGCCACTGCCCGGTGGGCTACACCGGACCCTTCTGCGACGT  
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10 TACCGCTTGACAGAGGCCTTCTCGCCCGTCAGCTACCAGCACGACCTGGCTCTGT  
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CTGCTGAGAAAAAAAAAAAAAAAAA  
SEQ.ID NO: 449

25 >6436 BLOOD gi|219919|dbj|D13515.1|HUMMARR Homo sapiens mRNA for key subunit  
of N-methyl-D-aspartate receptor, complete cds  
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30 CCGAGCCCATGAGCACCATGCGCCTGCTGACGCTCGCCCTGCTGTTCTCCTGCTC  
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35 CCATCCTAGTTAGCCATCCACCTACCCCCAACGACCACTTCACTCCCACCCCTGTC  
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5 GGTGATCTGCACCGGGGCCAACGACACGTCGCCGGGCAGCCCCCGCCACACGGT  
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20 ATATGGAGAAGCACAACTACGAGAGTGCGGCGGAGGCCATCCAGGCCGTGAGA  
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35 AGCACCCCCAG

SEQ ID NO: 450

>6437 BLOOD 242455.2 U72648.1 g3914602 Human alpha2-C4-adrenergic receptor gene,  
complete cds. 0

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 25 SEQ ID NO: 451  
 >6460 BLOOD gi|603954|dbj|D43950.1|HUMKG1DD Homo sapiens mRNA for KIAA0098  
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SEQ ID NO: 452

>6469 BLOOD 478620.78 D55696 g1890049 Human mRNA for cysteine protease, complete  
cds. 0

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SEQ ID NO: 453

>6521 BLOOD 244633.12 L11066 g307322 Human mRNA sequence. 0

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SEQ ID NO: 454

>6538 BLOOD 332156.1 AF004021 g2257849 Human prostaglandin F2 alpha receptor  
mRNA, complete cds. 0

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15 TCAAACACAACCTGCCAGACGGAAAACCGGCTTTCCGTATTTTTTTCAGTAATCT  
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20 SEQ ID NO: 455

>6545 BLOOD 228575.9 L29384 g495867 Human (clone pcDNA-alpha1E-1) voltage-

dependent calcium channel alpha-1E-1 subunit mRNA, complete cds. 0

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 30 GAGGCATGTTGCCTCTGCTGGGGGTGCGGAGAGTTGGAAGACTCGGTCAGCCAA  
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 25 GGCTCAGCACAATCCAGTAAAACACCTGGGATTTAACCATGTGGCGAATGGAGA  
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SEQ ID NO: 456

>6559 BLOOD 404061.1 U21051 g687793 Human G-protein-coupled receptor (GPR4) gene,  
complete cds. 0

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15 CTCCTTACTGGTGACCTTACTTATCTCTGTTGCTTTCTGGGGTCTAGGAAATGCC  
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45 ACCAGGTGCAGCTGAAGATGCTGCCGCCAGCACAATGAACCCCGAGTGGCACAG  
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10

>6649 BLOOD 222735.9 J05036 g181193 Human cathepsin E mRNA, complete cds. 0

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 10 TTT

SEQ ID NO: 458

>6653 BLOOD 416874.3 M15476 g340159 Human pro-urokinase mRNA, complete cds. 0

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SEQ ID NO: 459

10 >6657 BLOOD 284616.2 D10924 g219868 Human mRNA for HM89. 0

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SEQ ID NO: 460

45 >12205 BLOOD gi|2257932|gb|AF004327.1|AF004327 Homo sapiens angiopoietin-2  
 mRNA, complete cds

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40 SEQ ID NO: 461

>12266 BLOOD Hs.90786 gnl|UG|Hs#S1368546 Homo sapiens multidrug resistance-  
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 /gi=4106443 /ug=Hs.90786 /len=5346

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45 SEQ ID NO: 462

>13258 BLOOD 411233.5 D10995 g219678 Human gene for serotonin 1B receptor,  
complete cds. 0

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SEQ ID NO: 463

10 >13306 BLOOD 1096917.19 K01500 g177808 Human alpha-1-antichymotrypsin (AACT)  
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SEQ ID NO: 464

45 >13478 BLOOD 233142.9 D79986 g1136389 Human mRNA for KIAA0164 gene, complete  
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SEQ ID NO: 465

>13519 BLOOD gi|894352|gb|H25229.1|H25229 y145d06.s1 Soares breast 3NbHBst Homo sapiens cDNA clone IMAGE:161195 3' similar to contains LTR3 repetitive element ;, mRNA sequence

20 ATTCCTTTAAAAAATTAGTTGCTTTTTTATACAGCTATACAAAGTTCTTAATGTTTCT  
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25 GAAAGGNGGAAAAAGNCACACACATACACACACACACACACACACACACACACAC  
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SEQ ID NO: 466

30 >13524 BLOOD Hs.229619 gnl|UG|Hs#S219269 y149d08.s1 Homo sapiens cDNA, 3' end  
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SEQ ID NO: 467

45 >13526 BLOOD Hs.260516 gnl|UG|Hs#S219414 y155d09.s1 Homo sapiens cDNA, 3' end  
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5 SEQ ID NO: 468  
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40 SEQ ID NO: 469  
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30 SEQ ID NO: 470

>13823 BLOOD 335527.4 M37238 g190035 Human phospholipase C mRNA, complete cds.  
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SEQ ID NO: 471

>13831 BLOOD 232067.6 AL137411 g6807963 Human mRNA; cDNA DKFZp434M082  
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10 SEQ ID NO: 472

>13835 BLOOD GB\_H57941 gi|1010773|gb|H57941|H57941 yr12e06.s1 Soares fetal liver  
 spleen 1NFLS Homo sapiens cDNA clone IMAGE:205090 3' similar to  
 gb|M87905|HUMALND184 Human carcinoma cell-derived Alu RNA transcript, (rRNA);  
 gb:J03934 NAD(P)H DEHYDROGENASE (HUMAN);contains Alu repetitive element;;

15 mRNA s

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25 SEQ ID NO: 473

>13852 BLOOD 340851.6 K03195 g183302 Human (HepG2) glucose transporter gene  
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 20 TTTACCTGAGACCAGTTGGGAGCACTGGAGTGCAGGGAGGAGAGGGGAAGGGCC  
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 TCCTGCCCTGTTGTGTATAGATGCAAGATATTTATATATATTTTTTGGTTGTCAATA  
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 25 CACCTCACTCCTGTTACTTACCTAAACAGATATAAATGGCTGGTTTTTAGAAACA  
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 35 CTGTCAAAGCTGCCCTGTGTTCAATTTCAATTTGGAATTGCCCCCTCTGGTTCTCTG  
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 40 AAGATATTTGTCAAAA

SEQ ID NO: 474

>13879 BLOOD 480881.12 X04790 g28820 Human mRNA for A-raf-1 oncogene. 0

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 45 TCTTGGACTGTCGTGTGAAAATTAGGCTGCAGGGGTCGACAGGAGCCTGGACTTT  
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SEQ ID NO: 475

>14052 BLOOD 1328001.7 L19185 g440307 Human natural killer cell enhancing factor (NKEFB) mRNA, complete cds. 0

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 10 ACGGCGTGCTGAAAACAGATGAGGGCATTGCCTACAGGGGCCTCTTTATCATCG  
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 GGATGACAGCAAGGAATATTTCTCCAAACACAATTAGGCTGGCTAACGGATAGT  
 15 GAGCTTGTGCCCCCTGCCTAGGTGCCTGTGCTGGGTGTCCACCTGTGCCCCACCT  
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 20 GCTCCCCTGCAACCCCCTTCCTTCTTCAGGCTC

14107 BLOOD GB\_H72027 gi|1043843|gb|H72027|H72027 ys16e12.r1 Soares breast  
 2NbHBst Homo sapiens cDNA clone IMAGE:214990 5' similar to gb:X04412 GELSOEIN  
 25 PRECURSOR, PLASMA (HUMAN);, mRNA sequence [Homo sapiens]  
 GGATTNAATTTCCCAAACACTGACATTTTAGACAATTTTGCAAGGACTCTGAATT  
 TTTGCAGGGCTATTTTGGATA

SEQ ID NO: 477  
 30 >14178 BLOOD GB\_H75632 gi|1049954|gb|H75632|H75632 yu07b04.s1 Soares fetal liver  
 spleen 1NFLS Homo sapiens cDNA clone IMAGE:233071 3', mRNA sequence [Homo  
 sapiens]  
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 35 TAGGGGCCTTNACANTTGAANGGTTTNTCGGTGGCACTTTGNGGTNGCATNTTT  
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40 SEQ ID NO: 478  
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5 TCCCTGGTCTTTTCCCTCCTTCTGACTTTATACGTCTTTCTAGAGAGCTTATCTTCTA  
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25 GAGAAGGTTGCAGAAGAAAACCCAGCCAAGTCCCCAGGGAAGGCCGCATCTGT  
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30 CATGAAGAAGTCTTTCAGAGTGAAAAAGTAAATTTTATAGGAAAAAAGGGTATC  
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35 TATACTTGTCCTTTTTTCTCTGCCTCCCCCAACCCCTGTTGTTTTTATGGTCAGCTT  
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45 NNN  
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SEQ ID NO: 479

5 >14308 BLOOD 407458.2 L07894 g292432 Human rod outer segment membrane protein 1  
(ROM1) mRNA, complete cds. 0  
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15 TATACCCTCCCTGGCGAGGGGTCTTGGGCCCCGCTGCTGGTGGCTGGCACGGCTGG  
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20 GTCAGCAGCCGTTACCTGGATCCCGGTGACCGGGATGTGGCTGACCGGATCCAG  
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25 TGTCACCTTCCTACTGCAGGCTCTGGTGTCTCCTTGGCCTGCGGTACCTGCAAACA  
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30 ATGGACAAGTCTGAAAACCTCACAACCTCCTTACCAAGGCTCCAGGTTGGGGGGA  
TCGTAGGATTAGAGGGGCTAAGGATAGTCAGCGAGCTGGACTGGGGTAAGAAAG  
AAAACCAGATGTCCTAGGGCCTAGCCCTTGTAGTCAGAACCACCAGGGAACAGC  
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SEQ ID NO: 480

5 >14315 BLOOD GB\_H84982 gi|1064703|gb|H84982|H84982 ys88a08.s1 Soares retina  
N2b5HR Homo sapiens cDNA clone IMAGE:221846 3' similar to SP:HTLF\_HUMAN  
P32314 HUMAN T-CELL LEUKEMIA VIRUS ENHANCER FACTOR ;contains MER22  
40 repetitive element ;, mRNA sequence [Homo sapiens]  
GCTCCCCAGTGGTCAGCGGAGACCCCAAGGAGGATCACAACTACAGCAGTGCCA  
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CTCCTCAGCCGACGACCACTATGAGTTTGCCACCAAGGGGAGCCAGGAGGGCAG  
CGAGGGCAGCGAGGGGAGCTTCCGGAGCCACGAGAGCCCCAGCGACACGGAAG  
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SEQ ID NO: 481

>14385 BLOOD 474480.3 Incyte Unique

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5 CACTGGTGATCGCATACATCATGACCGTCACTGACTTTGGCTGGGAGGATGCCCT  
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15 CCGGGGATGTTGCCCAGTGGCTGTGCACTGCTCTGTGCACGTGCGTGTGTGTGAG  
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25 GCCTCCATCTCAATGTGAATGCACCAGGCTGAGGGTTCCCTAGCGCCTTGAGTCA  
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40 ACCGGGAAAAACAAAGTTGCCTGATTCCGCGCAGGTGCACAGGCCCCGGATGTA  
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AACAGAAAAATGATTTAGGATATAGCTTGAATGCTTAAATATGTGCACCTTTACA  
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45 TAATGTTCTTTCTTC

SEQ ID NO: 482

>14445 BLOOD GB\_H94163 gi|1101459|gb|H94163|H94163 yv14c07.r1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:242700 5' similar to contains Alu repetitive element;; mRNA sequence [Homo sapiens]

5 CCTGCTTCAGCCTCCCAAGTAGCTGGGATTACAGGCGCCCACCACCGCACCCGGC  
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GGTATGAGCCACTGTGCCCATCCTCATGTCAATTTTTTAAAGTGATAAATCCTGAT  
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10 TTNAGTCTAAAG

SEQ ID NO: 483

>14450 BLOOD 347864.28 Incyte Unique

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CCAGGGGAGATGCTGGTATGTGAAACCTCCTTCAACAAAAAAGAAAAATCAGAG  
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35 TCCATCAAGTAATCAAAGAGTGCAGCATCGCCCTGAGCAACTGGTGGTTTTGTGGC  
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40 GAAAGCCCTGAAGGTGCTGCGGATCTGTGAGCAGCGGCAGATGACTGAACAAGT  
TCGCAGCATTTGTAAGATCTTAGCCATGAAAGCCGTCCGCAACAATCGCCTGGGT  
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45 AAGTATCGCGAGTTCCACCGTATGTACGGGGAGAAGCGTTTTTGCCGACGCAGCTT  
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AACAGACTTATGAGTTGATGCGGTGTCTGGAGGACTTGACGTCAAGAAGACCTG  
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AGGTGGAAATGCTGAGACTTTCTCTGGCACGAAATCTTGCTCGGGCAATTATAAG  
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 CAATGTATATAGATTTTTTTTAAAGAATAAATGTTGTTTGCAAATGTAGGTTCTTA  
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 5 GATTAATAAATGC

SEQ ID NO: 484

>14476 BLOOD GB\_H94944 gi|1102577|gb|H94944|H94944 yu57h03.r1 Soares fetal liver  
 spleen 1NFLS Homo sapiens cDNA clone IMAGE:230261 5' similar to gb:M29893 RAS-  
 10 RELATED PROTEIN RAL-A (HUMAN);, mRNA sequence [Homo sapiens]

NTCCTCATNCTCCTNACCCTCCTCCTTCNCNTTCCTTNTCCTCCTCCTCCTCCAGCN  
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 15 TTGGTGAAAACCTGAGACACAAAATGGCTGCAAATAAGCCCAAGGGTCAGAATTC  
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SEQ ID NO: 485

>14509 BLOOD Hs.75929 gnl|UG|Hs#S417461 Human mRNA for OB-cadherin-2, complete  
 cds /cds=(476,2557) /gb=D21255 /gi=575578 /ug=Hs.75929 /len=3867

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 25 ACCCTCAAGGGCCCCAGAAATCACTGTGTTTTTCAGCTCAGCGGCCCTGTGACATT  
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 CCCCAGTTACATCCACGAAGTCCAAGAAAATGCAGCTGCTGGCACCGTGGTTG  
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 5 TCGATCGTCACTGACCTCGACAGATTTTTCCTACTATTAATCCAGAGGATGGTTTT  
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 25 AGGAGGCAGACAATGACCCACGGCTCCTCCTTATGACTCCATTCAAATCTACGG  
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 40 AGTGAGAGACGCCCTATTTCTATGTCATTTTTTAATGTATCTATTTGTACAATTTA  
 AAGTTCTTATTTTAGTATACATATAAATATCAGTATTCTGACATGTAAGAAAATG  
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45 SEQ ID NO: 486

>14510 BLOOD Hs.260473 gnl|UG|Hs#S133063 yf99h12.s1 Homo sapiens cDNA, 3' end

/clone=IMAGE:30797 /clone\_end=3' /gb=R42293 /gi=817160 /ug=Hs.260473 /len=471

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CTCCCGAGTAGCTGGGACTACAGGGGGCCACCACCACGCCAGCTAATTTTTTTGT  
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5 CACCGTGCCTGGGCCACGTCCCTATTTTAGNAAATGAGAGGAGTGACTGCACATA  
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SEQ ID NO: 487

10 >14521 BLOOD 441403.1 L34789 g514934 Human (clone L6) E-cadherin (CDH1) gene,  
exon 16. 0

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15 ACCTTTAATGGCTTCCCTCTTTCATCTCCTGAGTATGTAACCTTGCAATGGGCAGCT  
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25 TCTCTTTTTATTTAAATGTGAATTTCAACTTTTGACAATCAAAGAAAAGACTTTTG  
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TCACTTTTTGGAATTGTCTTGATTTTTCGGCAGTTCAAGCTATATCGAATATAGTT  
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SEQ ID NO: 488

>14531 BLOOD 903254.4 U44103 g1174146 Human small GTP binding protein Rab9  
mRNA, complete cds. 0

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CCAGACGGGCGCGGCCAGAGCTCCCGGGTCTGCTTTTCGTGTGGCCGCGAGACACT  
CTTGCACTCCTGTAATGAGCCTGGCACTGTGATGAAACACTTTTCCCGTGTCTGTT  
GAGTGCATCTTCTCAACAACCTAGGAGGGTTCTTGAAGCTTTTGAGATTAACAA  
40 TGGCAGGAAAATCATCACTTTTTAAAGTAATTCTCCTTGGAGATGGTGGAGTTGG  
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TTACCATGCAGATTTGGGACACGGCAGGTCAGGAGCGATTCCGAAGCCTGAGGA  
CACCATTTTACAGAGGTTCTGACTGCTGCCTGCTTACTTTTAGTGTCTGATGATTCA  
45 CAAAGCTTCCAGAACTTAAGTAAGTGAAGAAAGAATTCATATATTATGCAGAT  
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GCGAACGGCAGGTGTCTACAGAAGAAGCCCAAGCTTGGTGCAGGGACAACGGCG  
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SEQ ID NO: 489  
>14654 BLOOD 237623.3 L15203 g402482 Human secretory protein (P1.B) mRNA,  
complete cds. 0

30 SEQ ID NO: 490  
>14709 BLOOD 422524.4 L31409 g493131 Human creatine transporter mRNA, complete  
cds. 0

414

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 40 GGCTTAAGGTGGATGCACCTCCCGCACCTCCAGTCTTCTGTGTAGCAGCTTTAAC  
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SEQ ID NO: 491

>14753 BLOOD Hs.125359 gnl|UG|Hs#S1973371 Homo sapiens mRNA; cDNA  
 DKFZp761B15121 (from clone DKFZp761B15121); complete cds /cds=(56,541)  
 /gb=AL161958 /gi=7328010 /ug=Hs.125359 /len=1791

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35 SEQ ID NO: 492

>14789 BLOOD 221059.6 M16768 g339399 Human T-cell receptor gamma chain VJCI-CII-CIII region mRNA, complete cds. 0

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 15 GTTGGGCTTTCTTTCTGGGTTTGGGCCATTTCAGTTCTCATGTGTGTACTATTCTAT  
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 20 TCATTTTACACGCCCTGAAGCAGTCTTCTTTGCTAGTTGAATTATGTGGTGTGTTT  
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SEQ ID NO: 493  
 14796 BLOOD 1008401.6 M17783 g183063 Human glia-derived nexin (GDN) mRNA, 5'

25 end. 0  
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 40 CATTGAACTGCCCTACCACGGGGAAAGCATCAGCATGCTGATTGCACTGCCGACT  
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 ACAGCTGGATGAGCATCATGGTGCCCAAGAGGGTGCAGGTGATCCTGCCCAAGT  
 TCACAGCTGTAGCACAAACAGATTTGAAGGAGCCGCTGAAAGTTCTTGGCATTAC  
 TGACATGTTTGATTCATCAAAGGCAAATTTTGCAAAAATAACAAGGTCAGAAAA  
 45 CCTCCATGTTTCTCATATCTTGCAAAAAGCAAAAATTGAAGTCAGTGAAGATGGA  
 ACCAAAGCTTCAGCAGCAACAACCTGCAATTCTCATTGCAAGATCATCGCCTCCCT  
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 GTGTTATTCATGGGGCAGATAAACAACCCCTGAAGAGTATACAAAAGAAACCAT

SEQ ID NO: 494

>14808 BLOOD 336093.2 X12830.1 g33845 Human mRNA for interleukin-6 (IL-6)  
receptor. 0

5 GGCGGTCCCCTGTTCTCCCCGCTCAGGTGCGGCGCTGTGGCAGGAAGCCACCCCC  
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ACCCTGGGACGGCCCAGAGACGCTCCAGCGCGAGTTCCTCAAATGTTTTCTGCG  
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10 GCAGTGTGTGTAGAGAGCCGGGCTCCTGCGGATGGGGGCTGCCCCCGGGGCTG  
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TCCCATTAGCCTGTCCGCCTCTGCGGGACCATGGAGTGGTAGCCGAGGAGGAAG  
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GCGCTGGCCCCAAGGCGCTGCCCTGCGCAGGAGGTGGCGAGAGGCGTGCTGACC  
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15 AATGCCACTGTTCACTGGGTGCTCAGGAAGCCGGCTGCAGGCTCCCACCCCAGCA  
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20 CTGTGCTCTTGGTGAGGAAGTTTCAGAACAGTCCGGCCGAAGACTTCCAGGAGCC  
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25 TGGCAAGACCCCCACTCCTGGAATCATCTTTCTACAGACTACGGTTTGAGCTCA  
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30 CCACCCCCATGCAGGCACCTTACTACTAATAAAGACGATGATAATATTCTTTCAG  
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35 GACCCACCCAGTGCTTGTTCCTCTCATCTCCCCACCGGTGTCCCCCAGCAGCCTG  
GGGTCTGACAATACCTCGAGCCACAACCGACCAGATGCCAGGGACCCACGGAGC  
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40 AAGAGCCTTGCGGAAGGTTCTACGCCAGGGGAAAATCAGCCTGCTCCAGCTGTT  
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AGTGAACCTGGGGCACTGTGAAGAGAACCATATCAAGACTCTTTGGACACTCAC  
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45 GGATTTCAGCCAAAGCCTCCTCCAGCCGCCATGCTCCTGGCCCACTGCATCGTT  
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 GCCTCTGAAAACCAATGTTCTCTCTTCTCCACCTCCCACAAAGGAGAGCTAGCAG  
 5 CAGGGAGGGCTTCTGCCATTTCTGAGATCAAAACGGTTTTACTGCAGCTTTGTTT  
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 10 AGTCAAGTGAAAAAGGAGGAAGAGAAAAAATATTTTCCTGCCAGGCATGGTGGC  
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SEQ ID NO: 495

ye38d08.r1 Stratagene lung (#937210) Homo sapiens cDNA clone IMAGE:120015 5' similar  
 15 to SP:NINS\_DROME P10677 NINAC SHORT PROTEIN;; mRNA sequence  
 gi|728449|gb|T94961.1|T94961[728449]  
 TGATTCAGGAAATTGGATACAACCTGTGTAGCAGACATCTGGTCCCTGGGAATAAC  
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 GGCAATCTTCATGATTCCTACAAATCCTCCTCCACATTCCGAAAACAGAGCTA  
 20 TGGTCAGATAACTTTACAGATTTTGTGAAACAGTGTCTTGTAAGAGCCCTGAGC  
 AGAGGGCCACAGCCACTTCAGGTTCTGCGAGGCACCCATTTGTTTCAGGGAGTTGC  
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25

SEQ ID NO: 496

>14817 BLOOD 348110.1 X03795 g35365 Human mRNA for platelet derived growth factor  
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 30 ACCGGCCGGGTCGCTCCTGAAGCCAGCGCGGGGAGCGAGCGCGGCGGGCCAG  
 CACCGGGAACGCACCGAGGAAGAAGCCCAGCCCCCGCCCTCCGCCCTTCCGTC  
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 GCGCGCTCCGCCAGCTCCGTGCTCCCCGCGCCACCCTCCTCCGGGCGCGCTCCC  
 35 TAAGGGATGGTACTGAATTTGCGCGCCACAGGAGACCGGCTGGAGCGCCCGCCC  
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 GGCTTGCTGCTGCTCCTCGGCTGCGGATACCTCGCCCATGTTCTGGCCGAGGAA  
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 40 TGGACACCAGCCTGAGAGCTCACGGGGTCCATGCCACTAAGCATGTGCCCCGAGA  
 AGCGGCCCTGCCCATTCGGAGGAAGAGAAGCATCGAGGAAGCTGTCCCCGCTG  
 TCTGCAAGACCAGGACGGTCATTTACGAGATTCTCGGAGTCAGGTCGACCCAC  
 GTCCGCCAACTTCCTGATCTGGCCCCCGTGCGTGGAGGTGAAACGCTGCACCGGC  
 TGCTGCAACACGAGCAGTGTCAAGTGCCAGCCCTCCCGCGTCCACCACCGCAGC  
 45 GTCAAGGTGGCCAAGGTGGAATACGTCAGGAAGAAGCCAAAATTAAGAAGT  
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 GGAAAAGAAAAAGGTTAAAACCCACCTAAAGCAGCCAACCAGATGTGAGGTGA  
 GGATGAGCCGCAGCCCTTTCCTGGGACATGGATGTACATGGCGTGTTACATTCTT

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AAAAACTGTGTCCGAGAACACTCGGGAGAACAAAGAGACAGTGCACATTTGTTT  
AATGTGACATCAAAGCAAGTATTGTAGCACTCGGTGAAGCAGTAAGAAGCTTCC  
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NAAAACNAAACGGA CTCACAAAAATATCTAAACTCGATGAGATGGAGGGTCCGCC  
CCGTGGGATGGAAGTGCAGAGGTCTCAGCAGACTGGATTTCTGTCCGGGTGGTC  
ACAGGTGCTTTTTTGGCCGAGGATGCAGAGCCTGCTTTGGGAACGACTCCAGAGGG  
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10 SEQ ID NO: 497

>14833 BLOOD 346440.21 X55005 g29878 Human mRNA for thyroid hormone receptor alpha 1 THRA1, (c-erbA-1 gene). 0

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GCCCCGGGCCCCACCGGCCCCCCCATGGACGCCCCCAGCACGGGGGGCGCTGAGACC  
CCCGCGTCGCTGCCCAGCCCCGGTCCGGCGCGCCACGCCGAGGGATCTCTGGACA  
GGACAAGACTCCGAAGCTACTCCCCCAGCACACAGCCCCGGGACCCACAAACCCA  
GCTTGCCCCCAGCCCTCCCACCTGCCACTCCCTGGCCCCCTCCACCGCCCCGCCCC  
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TGGGAGGCTGGGGGAGCTGTGTCCTGCAGTTCCCAGGACCCCATCCTCTCAGAAG  
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 5 CCTCTCTACTTCCCCAGATGCCTGGGTGCAAAGAACGGCTTGGCTTGGCTCCTCC  
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 GAGGACCCCCCTTTACCACCCCATGCACCTTTGCGAGCTGCCCCCTTCTTCCCCCAC  
 10 ATCAGAGAGAAATGCCCCACACCAGAGCCCCTTCTCCTGGTGGCGGGTCTGCA  
 GGGCTGGGAGAGGGCAGGGCGTTGTGAGAGAGAGACCGTCCATAAGGAGGACA  
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 GGCGC

15 SEQ ID NO: 498

>14849 BLOOD 403113.1 M26685 g186569 Human IsK protein (exhibiting a slowly activating channel activity) gene, complete cds, clone pHK2. 0

GGAACAACGCATTTGACACTTGACTGGGATACACTACCGGATCCTCCGAGGGT  
 GATGGTTCTCAAGAAGGCAGAAGCAATGGTGACCAATAGACCTCCTTAAAGGCT  
 20 GAGCCGCTGGGCACCTTCCTACTCCTCTCGACCGTGCTAGGATGACTGCAGCAGA  
 GTCCCCGAGTCCTTTGATGCAAGGGTCTAGCAACCACCAAACAGACAAGCCCTTC  
 GGCCTGTCTCTGGAGGGCGTTGAATGGCATGGCCTGGAGCTCAACCAGGAGAACTC  
 GTGCTCAGGAGGAAGAGAGACCAGAAGGATAACTCAAAAAGTTCTGAGAAAGTTCTC  
 AAGACCACCTGAAGAGAAGGAGGCTGCTGCCAATGGTGTGGACACCGCAGTGTG  
 25 CTTGAGGAGACTTCAGAAACGAGAACTGTTTCACACAATCATCAGGTGAGCCGA  
 GGATCCATTGGAGGAAGGCATTATCTGTATCCAGAGGAAATAGCCAAGGATATT  
 CAGAGGTGTGCCTGGGAAGTTTGAGCTGCAGCAGTGGAACCTTAATGCCCAGGA  
 TGATCCTGTCTAACACCACAGCGGTGACGCCCTTTCTGACCAAGCTGTGGCAGGA  
 GACAGTTCAGCAGGGTGGCAACATGTCGGGCCTGGCCCGCAGGTCCCCCGCAG  
 30 CGGTGACGGCAAGCTGGAGGCCCTCTACGTCCTCATGGTACTGGGATTCTTCGGC  
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 CGAACGACCCATTCAACGTCTACATCGAGTCCGATGCCTGGCAAGAGAAGGACA  
 AGGCCTATGTCCAGGCCCGGGTCCTGGAGAGCTACAGGTGCTGCTATGTCGTTGA  
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 35 CCCATGAACCCCAACCACTGGCTAAA

SEQ ID NO: 499

>14852 BLOOD 474647.3 M27492 g186289 Human interleukin 1 receptor mRNA, complete cds. 0

GTACCAGCTGGGGCCGTCGGCAAGATGTGAGTTGTCACTCTGCTGCGGCACAG  
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 45 CTGGACCCCTTGGTAAAAGACAAGGCCTTCTCCAAGAAGAATATGAAAGTGTTA  
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 CAAGGAACGTGAAGAAAAAATAATTTTAGTGTCATCTGCAAATGAAATTGATGT  
 TCGTCCCTGTCCTCTTAACCCAAATGAACACAAAGGCACTATAACTTGGTATAAA  
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AAAGAGAAGCTTTGGTTTGTTCCTGCTAAGGTGGAGGATTTCAGGACATTACTATT  
GCGTGGTAAGAAATTCATCTTACTGCCTCAGAATTAATAAGTGCAAAATTTGT  
GGAGAATGAGCCTAACTTATGTTATAATGCACAAGCCATATTTAAGCAGAACT  
ACCCGTTGCAGGAGACGGAGGACTTGTGTGCCCTTATATGGAGTTTTTTAAAAAT  
5 GAAAATAATGAGTTACCTAAATTACAGTGGTATAAGGATTGCAAACCTCTACTTC  
TTGACAATATACACTTTAGTGGAGTCAAAGATAGGCTCATCGTGATGAATGTGGC  
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10 TCCCAGATACAATTGATCTGTAATGTCACCGGCCAGTTGAGTGACATTGCTTACT  
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20 TTTATGGAAGGGATGACTACGTTGGGGAAGACATTGTTGAGGTCATTAATGAAA  
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25 GTCAGGGGACTTTACACAGGGACCACAGTCTGCAAAGACAAGGTTCTGGAAGAA  
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30 TCCTTTATCCCTGAGGTCACCTGGAATCAGATTATTAAGGGAATAAGCCATGACG  
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AGGCAGTANNN  
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35 NNN  
NN  
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45 TTTCCACAGGAGGGAGAGAACTTAAAAAAGCAACAGTAGCAGGGAATTGATCCA  
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CTAGATCGCGAGCGGCCATTTCCTGTTTCTCTGCAGTTTTCTCAGCTTTGGGTGG  
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 15 GTTAGCAGCACGTGTTCCCGACATAACATTGTACTGTAATGGAGTGAGCGTAGCA  
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 TTTCTAGTAACTAGGTGTAAAAATCATGTGTTGCAGCTATAGTTTTTAAATATTT  
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SEQ ID NO: 501

>14871 BLOOD 232589.59 AF077208 g4679029 Human HSPC022 mRNA, complete cds. 0  
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 GCCTGGCACTGGCCAAGGAGATTGACTCGGTGAAATACCTGGAGTGCTCAGCTCT  
 45 CACCCAGAGAGGCCTGAAAACCGTGTTTCGACGAGGCCATCCGGGCGGTGCTGTG  
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 GGGCCAGAGGGGAGCCCCAGGACCCATTAAGCCACCCCCGTGTTCTTGCCGTCA  
 GTGCCAACTGCCGCATGTGGAAGCATCTACCCGTTCACTCCAGTCCCACCCACG  
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 5 CTTCAGGGATGGGGCTCTTACTCCCTCCTGAGGCCAGCTGCTCTAATATCGATGG  
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 10 GAGAGTCTTCAAACCTTTTAAACCTTGCCAGTCAGGACTTTTGCTATTGCAAATAG  
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SEQ ID NO: 502

15 >14873 BLOOD 462958.2 M30471 g178133 Human class III alcohol dehydrogenase  
 (ADH5) chi subunit mRNA, complete cds. 0  
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 20 AGTTCGAATCAAGATCATTGCCACTGCGGTTTGCCACACCGATGCCTATACCCT  
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 25 ATGGTACCAGCAGATTTACTTGCAAAGGAAAGACAATTTTGCATTACATGGGAA  
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 45 GAAGCAGGGCAGTGGTGGGTGTCTGAAACCTCAGAAACATAACGTTGAACTTT  
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5 ATTTTAAAGCCTCATACTTGCTCATTCTACAGCTTTTTTCACTCATTATTGTATAAT  
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20 GGGCGAGTCCGGTGTAGAGTCTTGTGGGAGGATGTGCGTGGGAGGAGAGGGC  
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SEQ ID NO: 503

25 >14882 BLOOD 113621.5 AL110197 g5817115 Human mRNA; cDNA DKFZp586J021  
(from clone DKFZp586J021). 0

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30 GTCAGTGAGAAGGAAGTGGACTCTGGAAACGACATTTATGGCAACCCTATCAAG  
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35 AGAAGAAGAGCCTGAACCACAGGTACCAGATGGGCTGCGAGTGCAAGATCACGC  
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45 GTCACAGATGCCAAGCAGGCAGCACTTAGGGATCTCCAGCTGGGTAGGGCAG  
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5 TGCTGTCCGGGGCCGGTGGCTGCCCTCAAGGTCCCTTCCCTAGCTGCTGCGGTTG  
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25 GACATCAGCTGTAATCATTCTGTGCTGTGTTTTTTATTACCCTTGGTAGGTATTA  
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30 CCACACACGTTGGTCTTTTAACCGTGCTGAGCAGAAAACAAAACAGGTTAAGAA  
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35 AAGAAATATTGGACTTGCTGCCGTAATTTAAAGCTCTGTTGATTTTGTTCCTGTT  
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SEQ ID NO: 504

>14911 BLOOD 337076.6 M36089 g340396 Human DNA-repair protein (XRCC1) mRNA,  
complete cds. 0

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GGGTTGTGTGTGGCGGAGGGAGGCGGGGCTGGAGGAAACGCTCGTTGCTAAGGA  
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 CATACTCTACCTCATCCTTCTGGCCAGGCGAAGCCCACGACGTTGACATGCCGGA  
 GATCCGCCTCCGCCATGTCGTGTCCTGCAGCAGCCAGGACTCGACTCACTGTGCA  
 5 GAAAATCTTCTCAAGGCAGACACTTACCGAAAATGGCGGGCAGCCAAGGCAGGC  
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 20 CAGTGACAGGCAAACCCCGAGGAGAAGGCACCGAGCCAGACGACCCCGAGCT  
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 GCTATAC

SEQ ID NO: 505

>14916 BLOOD 337528.6 M37763 g189300 Human neurotrophin-3 (NT-3) gene, complete cds. 0

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 CAGGAGGTGACGCCCCCTGGGCCTCGGTGGGCGCTTCTGGCGGTTTTTCGATGTGGC  
 AACCCCATCAGCCAGGATAATGATGAGATCTTACAGGTGAACAAGGTGATGTC  
 CATCTTGTTTTATGTGATATTTCTCGCTTATCTCCGTGGCATCCAAGGTAACAACA  
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20

>14923 BLOOD 332483.1 M36634 g340264 Human vasoactive intestinal peptide (VIP):

ATAAAATGATGGGCTTTGAAATGCTGGTCAGGGTAGAGTGAGAAGCACCAGCAG

25

30

35

40

45

GTAAAATGTGAAGTGAATGAAACACTCAGTTGTTCAATAATAAATATTTTTGCCA  
TAATGACTCAGAATATTGCTTTGGTCATATGAGCTTCCTTCTGTGAAAGTACATTT  
GGAGACACAACCTATTTTTCCAAAATAATTTTAAGAAATCAAAGAGAGAAAATAA  
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5

SEQ ID NO: 507

>14933 BLOOD 332882.1 X58377 g22952 Human mRNA for adipogenesis inhibitory  
factor. 0

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TCGTGCTGAGCCTGTGGCCAGATACAGCTGTCGCCCTGGGCCACCACTGGCCC  
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15 CCAGCTGACGGGGACCACAACCTGGATTCCCTGCCACCCCTGGCCATGAGTGCA  
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30 GACAGAGAACAGGGAATTAAATGTGTCATACATATCCACTTGAGGGCGATTTGT  
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35 NNN  
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45 ATCCTGNN  
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TGACTGTCTCCAGGTCAAAGGAGAGAGGTGGGATTGTGGGTGACTTTTAATGTGT  
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5 SEQ ID NO: 508

>14948 BLOOD 351209.16 X59960 g402620 Human mRNA for sphingomyelinase. 0

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25 GGGCCAGCCGGCCCTTTTGATATGGTGTACTGGACAGGAGACATCCCCGCACAT  
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40 GGCTCGAGAAACCTATGGGCTGCCCAACACACTGCCTACCGCCTGGCACAACT  
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5 SEQ ID NO: 509

>14954 BLOOD 289783.4 M38694 g339561 Human transforming growth factor-beta (tgf-beta) mRNA, complete cds. 0

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10 TGCTGGGTTCATGGCGGCGGCGGGCGCTGGGGCGCCCCGGGCCAGGAGGCGGCGG  
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CGCGCACTTCGTCATGTTCTTCGCGCCCTGGTGTGGACACTGCCAGCGGCTGCAG  
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15 TATGTGGCTAAAGTGGACTGCACGGCCCCACTCCGACGTGTGCTCCGCCCAGGGG  
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SEQ ID NO: 510

>14959 BLOOD 995976.15 M25295 g186738 Human keratinocyte growth factor mRNA,  
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20 SEQ ID NO: 511

>14966 BLOOD 153659.5 X52015 g32576 Human mRNA for interleukin-1 receptor

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SEQ ID NO: 512

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 30 GGAGTTCTCCAGTGGAAATAACTATGCACTACTTTACATTTTCATGGGGATGCACAA  
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SEQ ID NO: 513

>15354 BLOOD 337518.7 Z32765 g525231 Human CD36 gene exon 15. 0

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 45 GACCATTGGTGTATGAGAAGGCAAACATGTTTCAAGTCAAGTAACTGGAAAAAT  
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 5 GGACATCATTTTAGCACACTAGCGGTTTATATTTTAAGGACCTTCATTCTCTG  
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40 SEQ ID NO: 514  
 >15389 BLOOD gi|1186305|gb|N45139.1|N45139 yz13g11.s1  
 Soares\_multiple\_sclerosis\_2NbHMSP Homo sapiens cDNA clone IMAGE:282980 3',  
 mRNA sequence  
 45 CTGTTCAAAACAGTTTATTTTATTTTATTTTATTTTATTTTGTTCAGACAAACACATTGAT  
 TTCTGGACCACAGTAGAGGATGGAAACCTTTCACAACTTATTTATTTGAAAATA  
 CAAATATAAAATTATACTTTCCACATCTGTGATGTGAGAGACTGCCATCCACATA  
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 CTTAGATATATATATAGATAGATACATATATATGTATATATAT

>15418 BLOOD GB\_N46975 gi|1188141|gb|N46975|N46975 yv28f12.r1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:244079 5', mRNA sequence [Homo sapiens]

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10

15

[illegible]

100% AATCGGAAGTGAATTAACTAGATGTAGTAACCTTTTTTTCTTTACTTCTAAAAA

AGTTACAGTTTACTAATAAAGTTAAGTCTGGTTCTGTCCTAGAGGAAATAAATTTC

25

30

40

45

GGCCTATGTGGATGGCTACTCCGTGCTGTGCGGCTTCACCAGCGGTTGGGATTGG  
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GCCCCATGATTCTGCTTCACTGTTGGAATCCTCTTTGAAGTTCCCCCTCTCTTTGC  
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5 GG TAGAGAATTCCAGGCAACAGTCTGACCAAGGGTGTAAACCAGTTTATTATAT  
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45 GAAGTTCACCATTGCCCCACCTGCACCTAGCAAGGAACAGGTGTTTGATGTATT  
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GCTTACCCCGTGCTCTTGGGTTCTATAGTATTTCTATAATTATGTAACGAGAATAG  
TGTTGCACTGTAATCTATCATATAGAGCTATATGTATGGAAAATTTTGATCAATTT



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## 5 SEQ ID NO: 518

>15833 BLOOD GB\_N63635 gi|1211464|gb|N63635|N63635 za16c12.s1 Soares fetal liver  
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PROTO-ONCOGENE SERINE/THREONINE-PROTEIN KINASE (HUMAN);, mRNA  
sequence [Homo sapiens]

10 TTTTTTCCAGGTTAGAATGCGCATCTTTCAAAAAAAAAAAAAAAAAAACAGGTAAA  
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CTACCATGCCAACTGTACACACATTTACAGCTTTTCTGTTGATTGCATTGTTTGTG  
CATTTTTTGTGTGTGTGAGGTCTTGGCTTTGAAACAGTTAAGTAAAAACCAAAAA  
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## SEQ ID NO: 519

>15915 BLOOD 233764.7 Y12711 g6759555 Human mRNA for putative progesterone  
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25 AATTETACGGGCCCCGAGGGGCGGTATGGGGTCTTTGCTGGAAGAGATGCATCCA  
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30 TTAAAGCATTCAAGTGAAGTATATCTATTTTTGTATTTTGCAAAACCATTGTAAAC  
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35

## SEQ ID NO: 520

>15974 BLOOD 981864.1 Incyte Unique

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SEQ ID NO: 521

>16020 BLOOD Hs.30211 gnl|UG|Hs#S2005168 EST382554 Homo sapiens cDNA  
/gb=AW970473 /gi=8160318 /ug=Hs.30211 /len=707

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SEQ ID NO: 522

>16166 BLOOD 346280.34 AB020692 g4240258 Human mRNA for KIAA0885 protein,  
complete cds. 0

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25 GTCCACTGGCCAGGGGACCCTGTATATGGCCAATTCAAGAAGAGGGCCAAGAAA  
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 5 CAATCATTCCTTGGTACTCAGTCTGTGTTGGATCAACACTCCTCAGGGGGCGAAT  
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SEQ ID NO: 523

>16184 BLOOD 237729.6 AL117521 g5912037 Human mRNA; cDNA DKFZp434P0735  
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 45 TTTCAACTGACTAGGATGGGTGTCATGTCCAGATTTCTGTTTGTACCAGCAGAA  
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SEQ ID NO: 524

>16303 BLOOD gi|1443464|gb|N90137.1|N90137 zb17h09.s1 Soares\_fetal\_lung\_NbHL19W  
 45 Homo sapiens cDNA clone IMAGE:302369 3' similar to gb:X17576 CYTOPLASMIC  
 PROTEIN NCK (HUMAN);, mRNA sequence  
 GCGNCCGAGTGGCGTCCTGGAGCCCTCCTCAGTGCTGAAGCTGCTGAAAGATGG  
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SEQ ID NO: 525

>16305 BLOOD 474565.9 M18391 g339716 Human tyrosine kinase receptor (eph) mRNA,  
 complete cds. 0

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 30 CGGCCATTACAGAGCTCCCGGGGAGGGCCCCCAGGTGGCATGCACAGGTCCCCC  
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20 GCTGCTTCTGCCCACTTTCAGGAGAACCCTGCTCTGCACCCAGAAAACCTCTTT  
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25 CCGACAGAGCACGTGACCGTCCAGGGGGAAGCAGCCATTGTCATCTGCCTCAAT  
CGACAGGGGCTTCCCGCAGTCCTGGGAAGAAGGAAGGGTGAGGGGGCACTGGACC  
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CAACTCCCCATCCCTATCCTACTTCCAGTCACCCACTAGGACCTTCTTGCAAGAG  
30 GGCAAGCAGTGGGTAGAGCTGCTCCCAAGGTGCTTGCTCCCCTGCCACCACCAC  
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SEQ ID NO: 526

35 >16466 BLOOD Hs.6820 gn|UG|Hs#S2451360 601487048F1 Homo sapiens cDNA, 5' end  
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5

SEQ ID NO: 527

&gt;16524 BLOOD 474681.7 D50525 g1167502 Human mRNA for TI-227H. 0

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40 SEQ ID NO: 528

>16759 BLOOD GB\_R09836 gi|761792|gb|R09836|R09836 yf30b12.r1 Soares fetal liver  
spleen 1NFLS Homo sapiens cDNA clone IMAGE:128351 5', mRNA sequence [Homo  
sapiens]

AAGATCACAAGGTTTACATCTGGCACAAACGTAGTANACCTGCCAATTGCGGAC  
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SEQ ID NO: 529

5 >16991 BLOOD 978861.1 Incyte Unique  
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GGCAGGTTCCGCACGAAATAAATCAGAATGAGTTATGCAGAAAAACCCGATGAA  
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10 GACATGAACCGCCTCATCATGAACTACCTGGTCACAGAGGGCTTTAAGGAAGCA  
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SEQ ID NO: 530

>17028 BLOOD GB\_R25895 gi|782030|gb|R25895|R25895 yh43f12.r1 Soares placenta  
 40 Nb2HP Homo sapiens cDNA clone IMAGE:132527 5', mRNA sequence [Homo sapiens]  
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SEQ ID NO: 531

>17066 BLOOD GB\_R27082 gi|783217|gb|R27082|R27082 yh52b06.r1 Soares placenta  
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SEQ ID NO: 532

>17168 BLOOD GB\_R33030 gi|788873|gb|R33030|R33030 yh70d06.s1 Soares placenta  
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PROTEIN DISULFIDE ISOMERASE ER-60 PRECURSOR (HUMAN);, mRNA sequence  
[Homo sapiens]

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SEQ ID NO: 533

>17191 BLOOD 445041.11 X15480 g31947 Human mRNA for anionic glutathione S-  
transferase (GST-pi-1). 0

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35 GAAGGCACTGCCCGGGCAACTGAAGCCTTTTGAGACCCTGCTGTCCCAGAACCA  
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SEQ ID NO: 534

>17309 BLOOD 994439.4 S78569 g1042081 laminin alpha 4 chain [Human, fetal lung,  
mRNA, 6204 nt]. 0

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 20 AGCCTGGGGCAACATAATGAGATCCCATCTCTGC

SEQ ID NO: 535  
 17456 BLOOD 245885.4 AJ000517 g2370154 Human mRNA for spinocerebellar ataxia 7

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20 SEQ ID NO: 536

>17486 BLOOD gi|836069|gb|R64190.1|R64190 yi18b07.r1 Soares placenta Nb2HP Homo sapiens cDNA clone IMAGE:139573 5', mRNA sequence

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SEQ ID NO: 537

>17501 BLOOD Hs.12342 gnl|UG|Hs#S998603 Homo sapiens clone 24538 mRNA sequence /cds=UNKNOWN /gb=AF055030 /gi=3005760 /ug=Hs.12342 /len=1725

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>17504 BLOOD 238178.2 Incyte Unique

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25 SEQ ID NO: 541  
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SEQ ID NO: 544

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45 AACGAGAAGTGGGAGTTCCCCCGGAACAACCTGCAGTTTGGTAAAGACCCTCGGA  
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5 ACTCCTTCTCTGAGCAAGACCTGGACAAGGAGGATGGACGGCCCCCTGGAGCTCC  
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10 AGCATCTTTGACTGTGTCTACACGGTTCAGAGCGACGTCTGGTCCTATGGCATCC  
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CAGCAAGTTCTATAAACTGGTGAAGGATGGATACCAAATGGCCCAGCCTGCATTT  
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15 ACAGGAGAGAGCGGGACTATACCAATCTGCCGAGCAGCAGCAGAAGCGGTGGC  
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25 AGGCTCTTTGGGGCTAGACAGACTGGCAGAGAGTGAGATCTCCCTCTCTGAGAG  
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30 GGGACCTTGGCATGTGGCTGGCCACACCAAGCAGGAAGCACAACTCCCCAAG  
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SEQ ID NO: 545

>17915 BLOOD GB\_R93149 gi|967315|gb|R93149|R93149 yq15g08.s1 Soares fetal liver  
spleen 1NFLS Homo sapiens cDNA clone IMAGE:197054 3', mRNA sequence [Homo  
sapiens]

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CCCTAGGGAAGGCAAAGAGGCAGCCAGAGTATGGCTCAATCTACAAGCTAATGG  
GGAAGCAGGCACGGAAAATGTTAATACTGTATTATTTATTTACATGGGGCTGAAA  
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SEQ ID NO: 546

>17952 BLOOD 337221.6 Incyte Unique

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35

45

ACCAGGAGGATGAAGGTCTCCGTGGCTGCCCTCTCCTGCCTCATGCTTGTTGCTG

TCCTTGGATCCCAGGCCAGTTACACAAATGATGCAGAGACAGAGTTAATGATGTC  
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 5 TGAAACGAGCAGCGAGTGCTCCAAGCCAGGTGTCATATTCCTCACCAAGAAGGG  
 GCGGCAAGTCTGTGCCAAACCCAGTGGTCCGGGAGTTCAGGATTGCATGAAAAA  
 GCTGAAGCCCTACTCAATATAATAATAAAGAGACAAAAGAGGCCAGCCACCCAC  
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 CAGCTTCCCACAGCATGAAGATCTCCGTGGCTGCCATTCCCTTCTTCTCCTCATC  
 10 ACCATCGCCCTAGGGACCAAGACTGAATCCTCCTCACAAACTGGGGGGAAACCG  
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SEQ ID NO: 548

>18046 BLOOD 1326922.7 M12125 g339951 Human fibroblast muscle-type tropomyosin

20 mRNA, complete cds. 0

GCGGCCGCACCCCCCGGCCGGGCGCGTGCTTCTGCCCCTGCAAGGTTTGGGCGCGAG  
 GGTGGGGGAGGGTCCCTGGTTGCCGGCCCCCGCCGGTCCGTCCCCGCTTTTAGGGCG  
 CCGCGGTGGCCGGGACGTCCAGTCCCGCTCCGTCTCCTCGCCTGCCACCGGTG  
 CACCCAGTCCGCTACCCAGCCCAGTCCGTCCGGTCCCTCACCGCCTGCCGGCGCG  
 25 CCCACCCCCACCGCAGCCATGGACGCCATCAAGAAGAAGATGCAGATGCTGAA  
 GCTGGACAAGGAGAACGCCATCGACCGCGCCGAGCAGGCCGAAGCCGACAAGA  
 AGCAAGCTGAGGACCGCTGCAAGCAGCTGGAGGAGGAGCAGCAGGCCCTCCAG  
 AAGAAGCTGAAGGGGACAGAGGATGAGGTGGAAAAGTATTCTGAATCCGTGAA  
 GGAGGCCCAGGAGAACTGGAGCAGGCCGAGAAGAAGGCCACTGATGCTGAGG  
 30 CAGATGTGGCCTCCCTGAACCGCCGCATTACAGCTGGTTGAGGAGGAGCTGGACC  
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 GGATGAGGAGAAGATGGAAGTGCAGGAGATGCAGCTGAAGGAGGCCAAGCACA  
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 35 TGGAAGGAGAGCTGGAGCGCTCGGAGGAGAGGGCTGAGGTGGCCGAGAGCCGA  
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 ATGGCCTCAGAGGAGGAGTATTCCACCAAAGAAGATAAATATGAAGAGGAGATC  
 AAAGTGTGGAGGAGAAGCTGAAGGAGGCTGAGACCCGAGCAGAGTTTGCCGAG  
 AGGTCTGTGGCAAAGTTGGAGAAAACCATCGATGACCTAGAAGAGACCTTGGCC  
 40 AGTGCCAAGGAGGAGAACGTCGAGATTCACCAGACCTTGGACCAGACCCTGCTG  
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 CCCCACCCAATAAACTGATGTTACTAGCCTCTCAAAAAAAAAAGAAAAGGGC  
 GGC

45 SEQ ID NO: 549

>18061 BLOOD 227748.5 M74826 g182931 Human glutamate decarboxylase (GAD-2)

mRNA, complete cds. 0

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 5 CCCCCGCGGGCCGCCGCCGGAAGGCCGCTGCGCCTGCGACCAGAAGCCCTGC  
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 20 GGAACCACCGTGTACGGAGCATTTGACCCCTCTTAGCTGTCGCTGACATTTGCA  
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 CGTGGAATCCACACAAGATGATGGGAGTCCCTTTGCAGTGCTCTGCTCTCCTGGT  
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 25 CAGCAAGATAAACATTATGACCTGTCCTATGACACTGGAGACAAGGCCTTACAG  
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 30 CAATGAAGAGAGAATGAGTCGCCTCTCGAAGGTGGCTCCAGTGATTAAAGCCAG  
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 TTCCTGATTGAAGAAATAGAACGCCTTGGACAAGATTTATAATAACCTTGCTCAC  
 CAAGCTGTTCCACTTCTCTAGAGAACATGCCCTCAGCTAAGCCCCCTACTGAGAA  
 35 ACTTCCTTTGAGAATTGTGCGACTTCACAAAATGCAAGGTGAACACCACCTTTGTC  
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 40 GGTGTGCCAAACTACCGTTCCCAAATTGGTGTTTCTGAATGACATCAACATTCCC  
 CCAACATTACTCCATTACTAAAGACAGAAAAAAATAAAAAACATAAAATATACAA  
 ACATGTGGCAACCTGTTCTTCTACCAAATATAAACTTGTGTATGATCCAAGTAT  
 TTTATCTGTGTTGTCTCTCTAAACCCAAATAAATGTGTAAATGTGGACACA

45 SEQ ID NO: 550

>18101 BLOOD 351841.7 U22384 g733134 Human lysyl oxidase gene, partial cds. 0  
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 AACGTGCCAGAAAGTTTAAAATCTCTCCTCCTTCACTCCAGACACTGCCCG

CTCTCCGGGACTGCCGCGCCGCTCCCCGTTGCCTTCCAGGACTGAGAAAGGGGAA  
AGGGAAGGGTGCCACGTCCGAGCAGCCGCCTTGACTGGGGAAGGGTCTGAATCC  
CACCCTTGGCATTGCTTGGTGGAGACTGAGATACCCGTGCTCCGCTCGCCTCCTT  
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5 GCCACGTCTCTCGAGCGGGGTCAATCTGGCAAAAGGAGTGATGCGCTTCGCCT  
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10 GGTGCAGCCAACGCCTCCGCCCAGCAGCCCCGCACTCCGATCCTGCTGATCCGCG  
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CTGGCCGCCCCAGGCCACCGCCCGTCACTGGTTCCAAGCTGGCTACTCGACATC  
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5 ATACTTGAGGGGTTGGTGAACAAAGGAAAAATATACTTTCTGCAAAACCAAGGA  
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SEQ ID NO: 551

25 >18105 BLOOD 350513.1 M95167 g703094 Human dopamine transporter (SLC6A3)  
 mRNA, complete cds. 0  
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AATTC

SEQ ID NO: 552

5 >18166 BLOOD 350204.2 U07695 g495472 Human tyrosine kinase (HTK) mRNA,  
complete cds. 0  
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10 TGACTCGATTCCCGGAGACTGTGCCTCGGGAGCTGGTTGTGCCCCGTGGCCGGTAG  
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15 GGGGGGCGAGGGCCCCCCTCAACTCAGTTCGGATCCTACCCGAGTGAGGCGGCGC  
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25 CTGCGTCTGGGACCGCTCAGCAAGGCTGGCTTCTACCTGGCCTTCCAGGACCAGG  
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30 GTGCTCCGGGGTTCGAGGCAGCTGAGGGGAACACCAAGTGCCGAGCCTGTGCCC  
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 35 GGGTGTGGGGTGAGGTAGTGAAAAGGGCGGTAGTTGGTGGTGGAACCCAGAAAC  
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SEQ ID NO: 553

40 >18214 BLOOD 407199.2 AF154830 g5020419 Human carbamyl phosphate synthetase I  
 mRNA, complete cds. 0

GAGCTGTAGATTCGGCACGAGACACTGACTGCACCCCTCCCAGATTTCTTTTACA  
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 45 AGGACACTGAAGACTGGTTTTTGGCTTTACCAATGTGACTGCACACCAGAAATGG  
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 TGTTGCTGGTGAAGTGGTTTTTAATACTGGCCTGGGAGGGTACCCAGAAGCTATT  
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10 ACCCAGCTCTTGCAGAACCACTAATTCAGAATGTCAGAAAGATTTTGGAGAGTG  
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20 TAAAAGCCATGAAGGAAGAAAATGTCAAACCTGTTCTGATGAACCCAAACATTG  
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25 GTGATTAACCTTCCCAACAACAACACTAAATTTGTCCATGATAATTATGTGATTC  
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45 TGGAAGTAAGGTTTATTCCCTTAAGACGATGGATTCTGTTGAACTATGGGGTCCC  
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SEQ ID NO: 554

&gt;18219 BLOOD 1143363.1 AF031425 g2623890 Human galectin 3 (LGALS3) gene, exon 6, and complete cds. 1e-54

5 GATTATATCATGGTATATGAAGCACTGGTGAGGTCTATGTCACCAGAAATTCCCA  
GTTTGCTGATTTTCATTGAGTTTTTTAAACCCGATGATNGTACTGCAACAAGTNAGC  
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SEQ ID NO: 555

&gt;18229 BLOOD 400534.5 L22342 g402204 Human nuclear phosphoprotein mRNA, complete cds. 0

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20 CAACTCCAAAAAGGAGACATAAGAAAAAAAGCCTCCCAAGAGAGATCATTGATG  
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40 SEQ ID NO: 556

&gt;18298 BLOOD 406471.1 X52638 g35502 Human mRNA for 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase (EC 2.7.1.105, EC 3.1.3.46).

0TATTTTCATACGACTCACTATAGGGAATTTTCGCCCTCGAACGGAATTCGGGCACGA  
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 25 GAGAAGCCTGAGAATGTGGACATCACCCGGGAACCTGAGGAAGCCCTGGATACT  
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SEQ ID NO: 557

>18501 BLOOD 201402.1 AL080184 g5262661 Human mRNA; cDNA DKFZp434O071  
(from clone DKFZp434O071). 0

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 AAAAAAA

40

SEQ ID NO: 558

&gt;18526 BLOOD 238447.3 Incyte Unique

45

TCCTACAGGTGTATCGTCAGCGAGTGGATCGCCGAGCAGGGCAACTGGCAGGAA  
 ATCCAAGAAAAGGCCGTGGAAGTTGCCACCGTGGTGTATCCAGCCGACAGATGTA  
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15 GAAGAGGACGAGGCCTTGTGGCACTAGATTTGGGTATTTTCTGCATGTCATAAC  
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40 CCATATCCAATGTTATATGAACTAATTGTATTGTTTTATACTGTGACCACAAATAT  
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45 ATATTATGCAATGCACCATTTGTTTTTTATTTCAATTAAAGGAAGTTTAATTTAA

SEQ ID NO: 559

&gt;18550 BLOOD 234287.1 Incyte Unique

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SEQ ID NO: 560

>18555 BLOOD 200000.3 AF054175 g3341993 Human mitochondrial proteolipid 68MP  
homolog mRNA, nuclear gene encoding mitochondrial protein, complete cds. 0

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 35 GTCATCACTAACCAGATTTACTTGGAGTACATGTGAAAGAAAACGTCAGTCTGCC  
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 TAAA

SEQ ID NO: 561

45 >18576 BLOOD 481208.4 U60207 g1477790 Human stress responsive serine/threonine  
protein kinase Krs-2 mRNA, complete cds. 0

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 CCAATAGCTTTCAATTGTTCTTTCTGGAAGACTTTTAAAAAAATATAAATATGCA  
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SEQ ID NO: 562

>18601 BLOOD 217961.1 Incyte Unique

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 45 AGCCTCACCAATCAGAGGCTCAGGAGAGGGTTTTCTCACTGCCCTCCTTGTGTG  
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SEQ ID NO: 563

>18628 BLOOD GB\_T96731 gi|735355|gb|T96731|T96731 ye51f02.r1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:121275 5' similar to gb:M24922\_cds1 HLA CLASS II HISTOCOMPATIBILITY ANTIGEN, DX BETA CHAIN (HUMAN);,

mRNA sequence [Homo sapiens]

NTTCGGCACGGNGGCTCTGCAGATCCCTGGAGGCTTTTGGGCAGCAGCTGTGACC  
GTGATGCTGGTGTGCTGAGCACCCAGTGGCTGAGGCAGANGACTTTCCCAAG  
GATTTNTTGGTCCAGTTTAAGGGCATGTGCTACTTCACCAACGGGACAGAGCGCG  
TGGNGGTGTGGCCAGATACATCTATAACCGCGAGAGTACGGGCGCTTCGACAGC  
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SEQ ID NO: 564

&gt;18649 BLOOD 205772.16 Incyte Unique

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SEQ ID NO: 565

>18713 BLOOD GB\_T98559 gi|748296|gb|T98559|T98559 ye70f11.s1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:123117 3', mRNA sequence [Homo sapiens]



AACACTTTAATATTNATGGTGTATCACATAAAAAACAAAGTCATATACTTTTGCA  
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 5 GATGTTCAAAAAGCCTAATTCATAAAANGACANTTTATTCCNATGTTTAATATAG  
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SEQ ID NO: 566

10 >18817 BLOOD Hs.93213 gnl|UG|Hs#S1972075 Human DNA sequence from clone RP1-  
 291J10 on chromosome 6p21.2-21.33 Contains BAK1 (BCL2-antagonist/killer 1) gene,  
 ESTs, STSs, GSSs and a CpG Island /cds=(249,884) /gb=Z93017 /gi=5921377 /ug=Hs.93213  
 /len=2136  
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 35 TGTCTGCTAGGCGCTGGGGAGACTGATAACTTGGGGAGGCAAGAGACTGGGAGC  
 CACTTCTCCCCAGAAAGTGTTTAACGGTTTTAGCTTTTTATAATACCCTTGTGAGA  
 GCCCATTCCCACCATTTCTACCTGAGGCCAGGACGTCTGGGGTGTGGGGATTGGTG  
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 GACTAGGACCTGAGCCTGGTCCTGGCCGTCCCTAAGCATGTGTCCCAGGAGCAG  
 40 GACCTACTAGGAGAGGGGGGCCAAGGTCCTGCTCAACTCTACCCCTGCTCCCAT  
 CCTCCCTCCGGCCATACTGCCTTTGCAGTTGGACTCTCAGGGATTCTGGGCTTGG  
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 AGCCTCCAAGCCTGCCTCCCAAGGTCCTCTCAGTTCTCTCCCTTCTCTCCTTA  
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 45 GGGGGCCTTGGGTGAGTGGCCTGCTAAGGCTCCTCCTTGGCCAGACTACAGGGCT  
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 CTAAGTGGGAGAAGGACTATCAACACCACTAGGAATCCCAGAGGTGGGATCCTC  
 CCTCATGGCTCTGGCACAGTGTAATCCAGGGGTGTAGATGGGGGAAGTGTGAAT  
 ACTTGAAGTCTGTTCCCCCACCCTCCATGCTCCTCACCTGTCTAGGTCTCCTCAGG

GTGGGGGGGTGACAGTGCCTTCTCTATTGGGGCACAGCCTAGGGTCTTGGGGGGTCAG  
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5 SEQ ID NO: 567

>18899 BLOOD 285978.2 U43431 g1292911 Human DNA topoisomerase III mRNA,  
complete cds. 0

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10 AGCCTCATCTCTGGCTTCCCCAGGATGCGCCGGCAGCCGGGGAGCGGCTCCGGG  
CGCGAGGTCTGAGGATGATCTTTCCTGTGCGCCCGCTACGCGCTCCGGTGGCTGCG  
ACGGCCCGAAGACCGTGCTTTTCCCGCGCCGCCATGGAGATGGCCCTCCGAGGC  
GTGCGGAAAGTCCTCTGTGTGGCCGAAAAAACGACGCGGCCAAGGGGATCGCC  
GACCTGCTGTCAAACGGTCGCATGAGGCGGAGAGAAGGACTTTCAAAATTCAAC  
15 AAGATCTATGAATTTGATTATCATCTGTATGGCCAGAATGTTACCATGGTAATGA  
CTTCAGTTTCTGGACATTTACTGGCTCATGATTTCCAGATGCAGTTTCGAAAATGG  
CAGAGCTGCAACCCTCTTGTCTCTTTGAAGCAGAAATTGAAAAGTACTGCCCAG  
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20 TTATCCACGTGTGTAAGGCTGTAAAGCCCAATCTGCAGGTGTTGCGAGCCCGATT  
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25 TGTGGTGGAGCGGTTCAAAGCCATTTCAGGCTTTTGTACCAGAAATCTTCCACAGA  
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30 AAATGCTAAAGAAACCATGAGGATTGCTGAGAAGCTCTACACTCAAGGGTACAT  
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35 TGTACGAGTTTATTGTTTCGCCATTTCTCTGGCTTGTGCTCCAGGATGCTCAGGGG  
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40 TGCCCTCATGGAGAAGCATGGCATTGGTACGGATGCCACTCATGCGGAGCACAT  
CGAGACCATCAAAGCCCGGATGTACGTGGGCCTCACCCAGACAAGCGGTTCT  
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45 AGGTTTTTCATTGAAGCGGTGGCTAAAGCAAAGAAATTGGACGAGGCCTTGGCCC  
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CCAAGAAGAATGGCGGGTTCTACCTCAGCTGCATGGGTTTCCCAGAGTGTGCTC  
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CCAGTTTGTTCAGCCACACCCTGTGTACAGGGTTAAAGTTAAAGTTTAAAGCGCGGT  
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 5 GCCAGCACCCCCAGCCTGCTGACAGCAGACAGACTGGGTCCCTCAAAGGCTCTGG  
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 10 GCCTCCCTGGGATGCCACCAGGCCAGGGATCCACCTAGGTGGGTTTGGCAACC  
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 15 AGTCGGAAGCCAGAAGCAAAAGGCCCGGGCCAGTTCCTCAGACATGGGGTCCA  
 CAGCAAAGAAACCCCGGAAATGCAGCCTTTGCCACCAGCCTGGACACACCCGTC  
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 20 TAAGGGGCACAAGGTCCAGATCACTCTGGAGCAGGCCAGCTCTGCTGGACAGTG  
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 TGCTCCCTCGGACCCCCCAAGGATGGTTGCTGTTAGCAGAGGATTGGTGCAGTCC  
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 25 CTGCCCAGGGCTTCTCATAGACGTCCTGAGAAGGACGGTGTAATGCAAGGAAT  
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SEQ ID NO: 568

30 >18910 BLOOD Hs.244613 gnl|UG|Hs#S377417 Human signal transducer and activator of  
 transcription Stat5B mRNA, complete cds /cds=(146,2509) /gb=U47686 /gi=1330323  
 /ug=Hs.244613 /len=2782  
 GGAGCCGTCACCCCGGGCGGGGACCCAGCGCAGGCAACTCCGCGCGGGCGCCCGG  
 CCGAGGGAGGGAGCGAGCGGGCGGGCGGGCAAGCCAGACAGCTGGGCCGGAGC  
 35 AGCCGCCGGCGCCCGAGGGGCGGAGCGAGATTGTAAACCATGGCTGTGTGGATA  
 CAAGCTCAGCAGCTCCAAGGAGAAGCCCTTCATCAGATGCAAGCGTTATATGGC  
 CAGCATTTTCCCATTGAGGTGCGGCATTATTTATCCCAGTGGATTGAAAGCCAAG  
 CATGGGACTCAGTAGATCTTGATAATCCACAGGAGAACATTAAGGCCACCCAGC  
 TCCTGGAGGGCCTGGTGCAGGAGCTGCAGAAGAAGGCAGAGCACCAAGGTGGGG  
 40 GAAGATGGGTTTTTACTGAAGATCAAGCTGGGGCACTATGCCACACAGCTCCAG  
 AACACGTATGACCGCTGCCCCATGGAGCTGGTCCGCTGCATCCGCCATATATTGT  
 ACAATGAACAGAGGTTGGTCCGAGAAGCCAACAATGGTAGCTCTCCAGCTGGAA  
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 45 TCAGGAGTACTTCATCATCCAGTACCAGGAGAGCCTGAGGATCCAAGCTCAGTTT  
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CAGCAGCTGGCCGGGAACGGCGGGGCCCCCGAGGGCAGCCTGGACGTGCTACAG  
TCCTGGTGTGAGAAGTTGGCGGAGATCATCTGGCAGAACCGGCAGCAGATCCGC  
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CTGGCCGAGGTCAACGCCACCATCACGGACATTATCTCAGCCCTGGTGACCAGCA  
5 CGTTCATCATTGAGAAGCAGCCTCCTCAGGTCCTGAAGACCCAGACCAAGTTTGC  
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CCAGGTGAAGGCCACCATCATCAGTGAGCAGCAGGCCAAGTCTCTGCTCAAGAA  
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GGAGTACCACCAAGCCACAGGCACCCTTAGTGCCCACTTCAGGAATATGTCCCTG  
10 AAACGAATTAAGAGGTCAGACCGTCGTGGGGCAGAGTCGGTGACAGAAGAAAA  
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15 ATGAAATTCAAGGCCGAAGTGCAGAGCAACCGGGGCCTGACCAAGGAGAACCTC  
GTGTTCTTGCGCAGAACTGTTCAACAACAGCAGCAGCCACCTGGAGGACTAC  
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CAAGCCTCATTGGAATGATGGGGCCATTTTGGGGTTTGTAAACAAGCAACAGGC  
20 CCATGACCTACTGATTAACAAGCCAGATGGGACCTTCCTCCTGAGATTCAGTGAC  
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25 CTGTTGATGGATACGTGAAGCCACAGATCAAGCAAGTGGTCCCTGAGTTTGTGAA  
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CGTGTGGAGGAGCTCCTGGGCCGGCCAATGGACAGTCAGTGGATCCCGCACGCA  
30 CAATCGTGACCCCGCGACCTCTCCATCTTCAGCTTCTTCATCTTCACCAGAGGAAT  
CACTCTTGTGGATGTTTTAATTCCATGAATCGCTTCTCTTTTGAACAATACTCAT  
AATGTGAAGTGTTAATACTAGTTGTGACCTTAGTGTTTCTGTGCATGGTGGCACC  
AGCGAAGGGAGTGCGAGTATGTGTTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTG  
CGTTGGTGCACGTTATGGTGTTCCTCCCTCTCACTGTCTGAGAGTTTAGTTGTAGC  
35 AGA

SEQ ID NO: 569

>18954 BLOOD 475048.3 AF100143 g4323512 Human fibroblast growth factor 13 isoform 1A (FGF13) mRNA, complete cds. 0

40 GAAGCGGTGGTGGTGGGCGTCGTGGCATGGCGGCGGCTATCGCCAGCTCGCTCA  
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TCAGCAGCCCCAGCAAAGGCAAGACCAGCTGCGACAAAAACAAGTTAAATGTCT  
TTTCCCGGGTCAAACCTCTTCGGCTCCAAGAAGAGGCGCAGAAGAAGACCAGAGC  
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45 GCTGCAGGCGGATGGAACCATTGATGGCACCAAAGATGAGGACAGCACTTACAC  
TCTGTTTAACCTCATCCCTGTGGGTCTGCGAGTGGTGGCTATCCAAGGAGTTCAA  
ACCAAGCTGTACTTGGCAATGAACAGTGAGGGATACTTGTACACCTCGGAACCTT  
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AACAAAGAAGGAGAGATCATGAAAGGCAACCATGTGAAGAAGAACAAGCCTGC  
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5 TAGCCAGTGAGGGCAAAAGAAGGGCTCTGTAAACAGAACCTTACCTCCAGGTGCT  
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10 CTTTGGGGATGATAATCCAAAAGTATTTACAGCACTAATGCTGATCAAAATTTG  
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ACAAAACAAAACAAAATTAAGTGTCTTAAATGTTTTGTGCGGGGCAAAACAAAATTA  
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15 GACTTTTTGCGTCACTTAATCCAAATCAACCAAATTCAGGGTTGAATCTGAATTG  
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GCGTAGAAATTGAGTTGTATTGTCAACCCCAAGTCAGTAAAGAGAACTTCAAAAA  
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20 GTTGTGGCTTCTTGTGTAAAGACAGGAAGTGTGGAAGTGTGATGTTGTCTTTTGT  
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TTTGGGCACATGAATATTGTGTACAAGGAATTGTTAAGACTGGTTTTCCGTCACACA  
ACATATATTATACTTGCTACTGGAAAAGTGTTTAAGACTTAGCTAGGTTTCCATTT  
TAGATCTTCATATCTGTTGCATGGAAAGAAAGTTGGGTTCTTGGCATAGAGTTGCAT  
25 GATATGTAAGATTTTGTGCATTCATAATTGTTAAAAATCTGTGTTCCAAAAGTGG  
ACATAGCATGTACAGGCAGTTTTCTGTCTGTGCACAAAAAGTTTAAAAAAGTTG  
TTAATATTTGTTGTTGTATACCCAAATACGCACCGAATAAACTCTTTGAATGAAT  
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AAACTCTTTATATTGATTCAAAG

SEQ ID NO: 570

>18972 BLOOD 263164.34 X74929 g400415 Human KRT8 mRNA for keratin 8. 0

GGTGGCAGGTGACGGGTTAGGCCCAAGCCCCCTCTGGGCCTAGCCACTCAGGTAC  
GAGGCCTTTCCCCCCCCATCCCCCGGGGCTGGGATCTCTTTTATAAAAGGCCATTC  
35 CTGAGAGCTCTCCTCACCAAGCAGCAGCTTCTCCGCTCCTTCTAGGATCTCCGCCT  
GGTTCGGCCCGCCTGCCTCCACTCCTGCCTCCACCATGTCCATCAGGGTGACCCA  
GAAGTCCTACAAGGTGTCCACCTCTGGCCCCCGGGCCTTCAGCAGCCGCTCCTAC  
ACGAGTGGGCCCCGGTTCCCGCATCAGCTCCTCGAGCTTCTCCCGAGTGGGCAGCA  
GCAACTTTCGCGGTGGCCTGGGCGGCGGCTATGGTGGGGCCAGCGGCATGGGAG  
40 GCATCACCGCAGTTACGGTCAACCAGAGCCTGCTGAGCCCCCTTGTCTTGAGGT  
GGACCCCAACATCCAGGCCGTGCGCACCCAGGAGAAGGAGCAGATCAAGACCCT  
CAACAACAAGTTTGCTCCTTCATAGACAAGGTACGGTTCTTGAGCAGCAGAA  
CAAGATGCTGGAGACCAAGTGGAGCCTCCTGCAGCAGCAGAAGACGGCTCGAAG  
CAACATGGACAACATGTTTCGAGAGCTACATCAACAACCTTAGGCGGCAGCTGGA  
45 GACTCTGGGCCAGGAGAAGCTGAAGCTGGAGGCGGAGCTTGGCAACATGCAGGG  
GCTGGTGGAGGACTTCAAGAACAAGTATGAGGATGAGATCAATAAGCGTACAGA  
GATGGAGAACGAATTTGTCCTCATCAAGAAGGATGTGGATGAAGCTTACATGAA  
CAAGGTAGAGCTGGAGTCTCGCCTGGAAGGGCTGACCGACGAGATCAACTTCCT  
CAGGCAGCTGTATGAAGAGGAGATCCGGGAGCTGCAGTCCCAGATCTCGGACAC

ATCTGTGGTGCTGTCCATGGACAACAGCCGCTCCCTGGACATGGACAGCATCATT  
 GCTGAGGTCAAGGCACAGTACGAGGATATTGCCAACCGCAGCCGGGCTGAGGCT  
 GAGAGCATGTACCAGATCAAGTATGAGGAGCTGCAGAGCCTGGCTGGGAAGCAC  
 GGGGATGACCTGCGGCGCACAAAGACTGAGATCTCTGAGATGAACCGGAACATC  
 5 AGCCGGCTCCAGGCTGAGATTGAGGGCCTCAAAGGCCAGAGGGCTTCCCTGGAG  
 GCCGCCATTGCAGATGCCGAGCAGCGTGGAGAGCTGGCCATTAAGGATGCCAAC  
 GCCAAGTTGTCCGAGCTGGAGGGCCGCCCTGCAGCGGGCCAAGCAGGACATGGCG  
 CGGCAGCTGCGTGAGTACCAGGAGCTGATGAACGTCAAGCTGGCCCTGGACATC  
 GAGATCGCCACCTACAGGAAGCTGCTGGAGGGCGAGGAGAGCCGGCTGGAGTCT  
 10 GGGATGCAGAACATGAGTATTCATACGAAGACCACCAGCGGCTATGCAGGTGGT  
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 CCAGCTTTGGCTCTGGCGCGGGCTCCAGCTCCTTCAGCCGCACCAGCTCCTCCAG  
 GGCCGTGGTTGTGAAGAAGATCGAGACACGTGATGGGAAGCTGGTGTCTGAGTC  
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 15 CTGCGCTGCCCCAGAGCCTGGGAAGGAGGCCGCTATGCAGGGTAGCACTGGGAA  
 CAGGAGACCCACCTGAGGCTCAGCCCTAGCCCTCAGCCCACCTGGGGAGTTTACT  
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20 SEQ ID NO: 571

>19004 BLOOD 083318.1 K00488 g182106 Human enkephalin gene, 5' flank and intron c

(5' end): 0

GTTTGGGGGACGTCTGCGCGCCCTCTTTCCCTTCACATTTTCATGTCATGGGGTTCGCC  
 AACAGCGTTCCCTGGTTCTTCTTTGTGACCCGAGTCAATGTCCTGCCTCCCCCGGC  
 25 TCCCGCTCTCTCGCCCCCTGGTCTGCGGCGTTCTCTCCGGAATCTTGCCCTGGGCCG  
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 CGCGCCATCCCGGGAA

SEQ ID NO: 572

30 >19039 BLOOD 135014.5 M64925 g189785 Human palmitoylated erythrocyte membrane protein (MPP1) mRNA, complete cds. 0

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 TCTGCGAGATGACCCTCAAGGCGAGCGAGGGCGAGAGTGGGGGCAGCATGCACA  
 35 CGGCGCTCTCCGACCTCTACCTGGAGCATTGCTGCAGAAGCGTAGTCGGCCAGA  
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 CCTGCCCCAGGTAGCCCTGCCAGGTCAAGGGACAGGAGGTGCGGAAAGTGCGA  
 CTCATACAGTTTGAGAAGGTACAGAAGAGCCCATGGGAATCACGCTGAAGCTG  
 AATGAAAAACAGTCCTGTACGGTGGCCAGAATTCTTCATGGTGGCATGATCCATA  
 40 GACAAGGCTCCCTTCACGTGGGGGATGAGATCCTAGAAATCAATGGCACAAATG  
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 TGATCTCATTAAGTAATCCCAACCAGCAAAGCCGTCTTCTGCACTACAGAT  
 GTTCATGAGAGCGCAGTTTGACTATGATCCCAAAAAGGACAATCTGATCCCTTGC  
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 45 GATGACAGCAATTGGTGGCAGGGACGGGTGGAAGGCTCCTCCAAGGAGTCAGCA  
 GGATTGATCCCTTCCCCTGAGCTGCAGGAATGGCGAGTGGCAAGTATGGCTCAGT  
 CAGCTCCTAGCGAAGCCCCGAGCTGCAGTCCCTTTGGGAAGAAGAAGAAGTACA  
 AAGACAAATATCTGGCCAAGCACAGCTCGATTTTTGATCAGTTGGATGTTGTTTC  
 CTACGAGGAAGTCGTTTCGGCTCCCTGCATTCAAGAGGAAGACCCTGGTGCTGATC

GGAGCCAGTGGGGTGGGTCGCAGCCACATTAAGAATGCCCTGCTCAGCCAGAAT  
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 5 ACCAAATTTGAAACAGTGCACCAGATCCATAAGCAGAACAAGATTGCCATCCTT  
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 10 AAGCGTGCAGTTCTCCACAGTGGGTGCCTGTCTCCTGGGTTTACTAAGCTTGTAG  
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 CTTTAAGACAAACAGGGCTGCTCCAAGTATTTTGTGTGTCAGCTTCCAGCTCTCTG  
 CAGCTATCCTAATTCAGCCAGTAAGGTTTCAGTCTTCTTGCTCAGGCTCCTGAAGG  
 GTTGATTCTCCTGATAGATGGGGCCCCACTGATCTGGATTTGAAAAGGATTTCTA  
 15 GAAATTGGGGGTAAGAAGTACTACCAAATGTAAGTGTCTAATCAAGGGTGATGC  
 ACAGCAAAAGCAATGGACCCCATCCCTCTAAAGCCTGCCCTCCTTTGCCTTCAAC  
 TGTATATGCTGGGTATTTCAATTTGTCTTTTTATTTTGGAGAAAGCGTTTTTAAGT  
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SEQ ID NO: 573

>19055 BLOOD GB\_W02116 gi|1274164|gb|W02116|W02116.zc66e09.s1  
 Soares\_fetal\_heart\_NbHH19W Homo sapiens cDNA clone IMAGE:327304.3; mRNA  
 sequence [Homo sapiens]

25 TTTTTCGGGAGAAGAAAAGCTTTACTGGGAGAAAATACAACAAATTCAGAGT  
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 GATCACACACATTCCCTACCTCAGGGAGTAAGTACATCAGCCAACATCTNGGTC  
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30

SEQ ID NO: 574

>19319 BLOOD 331040.8 M92449 g190094 Human LTR mRNA, 3' end of coding region  
 and 3' flank. 0

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 TACCATGGTCGGAATTTGGATTATCCTTTTGGGAATGTCTTACGCAAGCTGACAG  
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 TGGCTATGTAGGATTATGGACTGGCCAGAGCCCACACAAGTTTACAGTTTCTGGT  
 40 GATGAACGAGATAAAGGCTGGTGGTGGGAGAATGCTATCGCTGCCCTGTTTCGG  
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 TACGACCACTGGAAGCCAGCACCCAAGGAAGATGACCGGAGAACATCTGCCATC  
 AAGGCCCTTAATGCTACAGGACAAGCAAACCTCAGCCTGGAGGCACTTTTCCAG  
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 45 AAGAGCTGCACCTTAAAAAATAAGACAAAGTGAAAGTATTGTATTATGTTACAA  
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 GATTTGGAGTTTGTGGTAAAGCCAGTAATGGGCATTGTCCTGCATTCCCTTCCCTT  
 CATGGTTTGCCTCGATCCTCTCTAAGCTTCTATCCTGGCCTGAATAACTCAAAGAT  
 AATTGGTCTCAGAGATCAAGCCATATCCTCAGGCCTTATTTCCATCTTCTCATGAT



TCTGCCATCATACCTTTGCTTCTCCGCTAATGAAATGAGCTGGCAAGACCTCTGTT  
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SEQ ID NO: 575

10 >19391 BLOOD 197556.13 Z50853 g963047 Human mRNA for CLPP. 0

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 15 GGTCGCGGGCGAGCGCGCCTATGACATCTACTCGCGGCTGCTGCGGGAGCGCATC  
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 25 CCCCAGGACGGTGAGGATGAGCCACGCTGGTGCAGAAGGAGCCTGTAGAAGCA  
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SEQ ID NO: 576

>19403 BLOOD 1144353.1 X12953 g35836 Human rab2 mRNA, YPT1-related and member  
 of ras family. 0

35 TTCAAGTACATCATAATCGGCGACACAGGTGTTGGTAAATCATGCTTATTGCTAC  
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 TACGGCAGGGCAAGAATCCTTTCGTTCCATCACAAGGTCGTATTACAGAGGTGCA  
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 40 CAACCTGGTTAGAAGATGCCCGCCAGCATTCCAATTCCAACATGGTCATTATGCT  
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 AATTCAAGAAGGAGCTTTGACATTAATAATGAGGCCAATGGCATTAATAATTGGC  
 45 CCTCAGCATNTGTTACCATGCCACACATGCAGGCNATCAGGGAGGCANCAGCTG  
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SEQ ID NO: 577

&gt;19425 BLOOD gi|1376913|gb|W68044.1|W68044 zd39f04.r1

Soares\_fetal\_heart\_NbHH19W Homo sapiens cDNA clone IMAGE:343039 5', mRNA  
sequence

5 AATATTTTCAGCTTCANCCATGTTGTTGGAGATGGAAAGATGGAAGCAGGACAG  
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10 TCCAAGGTCCTCGAGAGGTTGCAAGCAAAGAAGGATTTGAAATCCGTGGGCTCC  
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AACCNATT

15

SEQ ID NO: 578

&gt;19535 BLOOD 157116.31 Incyte Unique

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40 TTGCAGCAGTTTCATATGTGTGCAATATGTGCATTCTTTCAATTTAGTTTTGCACT  
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SEQ ID NO: 579

45 &gt;19539 BLOOD 238238.1 Incyte Unique

CTTTTTTTATTTTTTATCTCTATGCTTAATAGAAAACATATTTTTTATTCCGTACTTT  
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CTTTGAGCCAAGAAAACAATATAACCAAAAATTCATTTGTTCCCTTTGTTTAGGG  
GTGTTTTACATTTATGCATAATTTTGCTTTTATAAAAGATGATTGTTACAATCAGG

CCGCGGNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNCTATTGGCTTCAAGTTGTTTACGCTT  
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>19696 BLOOD gi|1401816|gb|W87741.1|W87741 zh68c06.s1
```

35 Soares\_fetal\_liver\_spleen\_1NFLS\_S1 Homo sapiens cDNA clone IMAGE:417226 3' similar  
to gb:K02276 MYC PROTO-ONCOGENE PROTEIN (HUMAN);, mRNA sequence

>19853 BLOOD 1096264.4 L22009 g347313 Human hnRNP H mRNA, complete cds. 0

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30 SEQ ID NO: 582  
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35 SEQ ID NO: 583  
 >19872 BLOOD 1102297.22 X63432 g28335 Human ACTB mRNA for mutant beta-actin  
 (beta'-actin). 0  
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 45 CAACTTGAGATGTATGAAGGCTTTTGGTCTCCCTGGGAGTGGGTGGAGGCAGCCA  
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SEQ ID NO: 584

>19885 BLOOD 236030.3 M17752 g33917 Human mRNA for gamma-interferon inducible early response gene (with homology to platelet proteins). 0

5 GGAACAGCCAGCAGGTTTTGCTAAGTCAACTGTAATGCCCTTATCCAATCAGAAT  
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SEQ ID NO: 585

30 >19887 BLOOD 272980.8 X02544 g24444 Human mRNA for alpha1-acid glycoprotein (orosomucoid). 0

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35 CTACCTCTGGCTGGAAGCCCAGATCCCATTGTGTGCCAACCTAGTACCGGTGCCC  
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40 GGGACCATCTCCAGATACGTGGGAGGCCGAGAGCATTTCGCTCACTTGCTGATCC  
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45 GGAAACAGGAGGAGGGGGAATCCTAGCAGGACACAGCCTTGGATCAGGACAGA  
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SEQ ID NO: 586

>19916 BLOOD 234842.5 M16447 g181552 Human dihydropteridine reductase (hDHPR)  
mRNA, complete cds. 0

5 CTGGCAGGAGCAGGATGGCGGCGGCGGCGGCTGCAGGCGAGGCGCGCCGGGTG  
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10 GCTGGAGGATGGGCGGGGGCAATGCCAAATCCAAGTCTCTCTTTAAGAACTGT  
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ACCAAGCATCTCAAGGAAGGAGGCCTCCTAACCTTGGCTGGCGCAAAGGCTGCC  
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CCATCGCTGTGCTCCCCGTTACCCTGGATACCCCGATGAACAGGAAATCAATGCC  
15 TGAGGCTGACTTCAGCTCCTGGACACCCTTAGAATTCCTAGTTGAAACTTTCCAT  
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ACCACAGAAGGAAGGACGGAACCTACCCCAGCATATTTTATAGGCTCATCTCAGT  
GCCTATGAGGGGCTGCCAGAAAAGTCACTAACCTGTCTCAGTGTGGCCTTGTCC  
AGCCTTGTGTTTTCTGTAAACCCCTGTTTGTGGTACGAGATAATGAGTCCTATTTTT  
20 CTCTCACATAATATGCATTTGCTCTCCTAGGACAGTGTAAATACATTTATGTGAAGT  
AAAGACATGCGAGACTGGTGGCCTGCAAATAGCATCCGTCAATCTGTGTTAACTG  
CATAGGGAGGGCTCTGCATAGCACCTGCTATAGCGGTGTCATGTTGGATCGCTTT  
TGTAAGTGTTCATCTGTCTTGACAGTGGCTGTCATCTTGACTACTTTGTTGATTT  
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25 CATAGACGTAGTTTTTCGCATCCTTGAATTAAGCTGCCTTAACCTCCTTTTGTGGTATA  
AGCAAAACTACATGGACTCTGTCTGCTGGTATCCTTTTCCTGTGTGGTTGCCCTGTGT  
CCTCTGGCCTAGGGTTAAGTGTGCAAGATAACTACTCGTGAGTATTCAGAATGTT  
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CAGCAGTCAGAGATGAGTATACTAGAATCATGGATTGCTGGAGGTCTTTTAATCT  
30 GGTGTTCTCGGAAGGGGGTGCATTTAAATCCTGAAATAAATATTTCAACACAAGA  
ACACAGGCCTGATTCTGCCTTGGACATGTCCAAATCTGGGGGTGATGGGATGGCC  
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AACTAGTAGTGGTTTAATTCAAGGATGCGGAAAACCTACGTCTTATGACATAAAC  
ATGACATTCAAAAATAACTCAGCCTTTAACTGGCAGAGCTAAGCCCAGATCTCTA  
35 GTCACCAGACTCTTGCTGTTTTTAAAGGCCTTACCACGTATTTTCTTTCTTTTTT  
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SEQ ID NO: 587

>19943 BLOOD 425535.24 D14533 g286028 Human mRNA for XPAC protein. 0

40 TTTCCATTTTAATCCAGCATTTAAAAAGCTATCTAGACTAATGTTAAGTCCCACA  
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ATTTCTGCTATTAGGGCTTTTTCCAGCAGTAGTTCCCCACTGTTTCCACCATCGTG  
GAGACAGAAATCGTCCTAAAAAACACATGACTAGAACCTGGGGTACAGTGGTGC  
ACCACCATTGCTATTATTTGTTTCTTGGTTAAGAATCCAGTTCAGCCTTTGTTGAA  
45 CCCTTTTCCCTCTACCCCAATCTAGGGTTTGCCTTGGTATCTTGTCTCAAATTTGT  
AGCTGACCTACCACTTCTGCACCTACTCTAGCACTCAGCTCCCATCTCTGTTGTAA  
GAAGGCAATCACAGACATGACATTGTGCACACAACCAGGCCAGGTGACCTTCAC  
TGAAACTTGCTTTTAAAGCCATAACATACATAATTATTACTGAAGTATTACTTATAC  
AAGGGTTTCATTCATCTATGAAGATGTTGCTTTTTTTTTTTGAATTTTGAAAAGGAC

499

GCGGCATGGGGTCCGGGGGCTGGCCACCGGGATAGCCGGGGGTCTGGCAGGAA  
TGGGAGGCATCCAGAACGAGAAGGAGACCATGCAAAGCCTGAACGACCGCCTG  
GCCTCTTACCTGGACAGAGTGAGGAGCCTGGAGACCGAGAACCGGAGGCTGGAG  
AGCAAAATCCGGGAGCACTTGGAGAAGAAGGGACCCAGGTCAGAGACTGGAG  
5 CCATTACTTCAAGATCATCGAGGACCTGAGGGCTCAGATCTTCGCAAATACTGTG  
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TTAGAGTCAAGTATGAGACAGAGCTGGCCATGCGCCAGTCTGTGGAGAACGACA  
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GACAGAGATCGAGGCTCTCAAGGAGGAGCTGCTCTTCATGAAGAAGAACCACGA  
10 AGAGGAAGTAAAAGGCCTACAAGCCAGATTGCCAGCTCTGGGTTGACCGTGGA  
GGTAGATGCCCCCAAATCTCAGGACCTCGCCAAGATCATGGCAGACATCCGGGC  
CCAATATGACGAGCTGGCTCGGAAGAACCGAGAGGAGCTAGACAAGTACTGGTC  
TCAGCAGATTGAGGAGAGCACCACAGTGGTCACCACACAGTCTGCTGAGGTTGG  
AGCTGCTGAGACGACGCTCACAGAGCTGAGACGTACAGTCCAGTCCCTTGGAGAT  
15 CGACCTGGACTCCATGAGAAATCTGAAGGCCAGCTTGGAGAACAGCCTGAGGGA  
GGTGGAGGCCCGCTACGCCCTACAGATGGAGCAGCTCAACGGGATCCTGCTGCA  
CCTTGAGTCAGAGCTGGCACAGACCCGGGCAGAGGGACAGCGCCAGGCCCAGGA  
GTATGAGGCCCTGCTGAACATCAAGGTCAAGCTGGAGGCTGAGATCGCCACCTA  
CCGCCGCTGCTGGAAGATGGCGAGGACTTTAATCTTGGTGATGCCTTGGACAGC  
20 AGCAACTCCATGCAAACCATCCAAAAGACCACCACCCGCCGGATAGTGGATGGC  
AAAGTGGTGTCTGAGACCAATGACACCAAAGTTCTGAGGCATTAAGCCAGCAGA  
AGCAGGGTACCATGATATTTTTGTTTCTCTTGGACTGAAACATAGTCTGGGTCTC  
AACGTTGCGGTGATGATGGTTGAACATCATGTTTTTATAAACCTTAATTTCTCA  
TTTAATAGGAAGAAAATCTCAGGAGAGCCAAAAGGGAGGACCTGAAGGTCAGC  
25 ATCCACCAAATGGAGATGGAGAGGATCCGCTACGTCCTCAGCAGCTACTTGCGG  
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SEQ ID NO: 588

>19975 BLOOD gi|28229|emb|X15357.1|HSAANP Human mRNA for natriuretic peptide receptor (ANP-A receptor)

CCATGGTAGGAGCGCTCGCCTCGCTGCGGTGCCCGCTGAGGCCATGCCGGGGGCC  
CCGGCGCCCCGCTGGCTCCCGCCTGCGCCTGCTCCTGCTCCTGCTGCTGCCGCCG  
CTGCTGCTGCTGCTCCGGGGCAGCCACGCGGGCAACCTGACGGTAGCCGTGGTA  
35 CTGCCGCTGGCCAATACCTCGTACCCCTGGTCGTGGGCGCGCGTGGGACCCGCCG  
TGGAGCTGGCCCTGGCCCAGGTGAAGGCGCGCCCCGACTTGCTGCCGGGCTGGA  
CGGTCCGCACGGTGCTGGGCAGCAGCGAAAACGCGCTGGGCGTCTGCTCCGACA  
CCGCAGCGCCCCCTGGCCGCGGTGGACCTCAAGTGGGAGCACAACCCCGCTGTGT  
TCCTGGGCCCCGGCTGCGTGTACGCCGCCGCCCGAGTGGGGCGCTTCACCGCGCA  
40 CTGGCGGGTCCCGCTGCTGACCGCCGGCGCCCCGGCGCTGGGCTTCGGTGTCAAG  
GACGAGTATGCGCTGACCACCCGCGCGGGGGCCAGCTACGCCAAGCTGGGGGAC  
TTCGTGGCGGGCGCTGCACCGACGGCTGGGCTGGGAGCGCCAAGCGCTCATGCTCT  
ACGCCTACCGGCCGGGTGACGAAGAGCACTGCTTCTTCTCGTGGAGGGGCTGTT  
CATGCGGGTCCGCGACCGCCTCAATATTACGGTGGACCACCTGGAGTTCGCCGAG  
45 GACGACCTCAGCCACTACACCAGGCTGCTGCGGACCATGCCGCGCAAAGGCCGA  
GTTATCTACATCTGCAGCTCCCCTGATGCCTTCAGAACCTCATGCTCCTGGCCCT  
GGAAGCTGGCTTGTGTGGGGAGGACTACGTTTTTCTTCCACCTGGATATCTTTGGG  
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GATGGGCAGGATGTCAGTGCCCGCCAGGCCTTTCAGGCTGCCAAAATCATTACAT

ATAAAGACCCAGATAATCCCGAGTACTTGGAATTCCTGAAGCAGTTAAAACACC  
TGGCCTATGAGCAGTTCAACTTCACCATGGAGGATGGCCTGGTGAACACCATCCC  
AGCATCCTTCCACGACGGGCTCCTGCTCTATATCCAGGCAGTGACGGAGACTCTG  
GCACATGGGGGAACGTGTTACTGATGGGGAGAACATCACTCAGCGGATGTGGAAC  
5 CGAAGCTTTCAAGGTGTGACAGGATACCTGAAAATTGATAGCAGTGGCGATCGG  
GAAACAGACTTCTCCCTCTGGGATATGGATCCCGAGAATGGTGCCTTCAGGGTTG  
TACTGAACTACAATGGGACTTCCCAAGAGCTGGTGGCTGTGTGCGGGGCGCAAAC  
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10 GTGGGCAGCCTCTCCTTGCTCGGCATTCTGATTGTCTCCTTCTTCATATACAGGAA  
GATGCAGCTGGAGAAGGAACTGGCCTCGGAGCTGTGGCGGGTGCCTGCTGGGAGGA  
CGTTGAGCCCAGTAGCCTTGAGAGGCACCTGCGGAGTGCAGGCAGCCGGCTGAC  
CCTGAGCGGGAGAGGCTCCAATTACGGCTCCCTGCTAACCACAGAGGGGCCAGTT  
CCAAGTCTTTGCCAAGACAGCATATTATAAGGGCAACCTCGTGGCTGTGAAACGT  
15 GTGAACCGTAAACGCATTGAGCTGACACGAAAAGTCCTGTTTGAAGTGAAGCAT  
ATGCGGGATGTGCAGAATGAACACCTGACCAGGTTTGTGGGAGCCTGCACCGAC  
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20 AACCTCAAGTCATCCAAGTGCCTGGTAGATGGGGCGCTTTGTGCTCAAGATCACCG  
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TGGCGGGCTCCCAGGCTGGTGACGTATACAGCTTTGGGATCATCCTTCAGGAGATT  
TGGCCTGAGGAGTGGGGTCTTCCAGGTGGAAGGTTTGGACCTGAGCCCCAAAGAG  
25 ATCATCGAGCGGGTGAETCGGGGTGAGCAGCCCCCTTCCGGCCCTCCCTGGCCC  
TGCAGAGTCACCTGGAGGAGTTGGGGCTGCTCATGCAGCGGTGCTGGGCTGAGG  
ACCCACAGGAGAGGCCACCATTCCAGCAGATCCGCCTGACGTTGCGCAAATTTA  
ACAGGGAGAACAGCAGCAACATCCTGGACAACCTGCTGTCCCGCATGGAGCAGT  
ACGCGAACAATCTGGAGGAAGTGGTGGAGGAGCGGACCCAGGCATACCTGGAG  
30 GAGAAGCGCAAGGCTGAGGCCCTGCTCTACCAGATCCTGCCTCACTCAGTGGCTG  
AGCAGCTGAAGCGTGGGGAGACGGTGCAGGCCGAAGCCTTTGACAGTGTTACCA  
TCTACTTCAGTGACATTGTGGGTTTCACAGCGCTGTGCGCGGAGAGCACACCCAT  
GCAGGTGGTGACCCTGCTCAATGACCTGTACACTTGCTTTGATGCTGTCATAGAC  
AACTTTGATGTGTACAAGGTGGAGACAATTGGCGATGCCTACATGGTGGTGTGAG  
35 GGCTCCCTGTGCGGAACGGGCGGCTACACGCCTGCGAGGTAGCCCGCATGGCCC  
TGGCACTGCTGGATGCTGTGCGCTCCTTCCGAATCCGCCACCGGCCCCAGGAGCA  
GCTGCGCTTGCGCATTGGCATCCACACAGGACCTGTGTGTGCTGGAGTGGTGGGA  
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40 CCTGGAGGAGTTTGGTGGTTTCGAGCTGGAGCTTCGAGGGGATGTAGAAATGAA  
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CCGAGGCTGACCTGCCTCCTCTCCTATCCCTCCACACCTCCCCTACCCTGTGCCAG  
AAGCAACAGAGGTGCCAGGCCCTCAGCCTCACCCACAGCAGCCCCATCGCCAAAG  
GATGGAAGTAATTTGAATAGCTCAGGTGTGCTGACCCAGTGAAGACACCAGAT  
45 AGGACCTCTGAGAGGGGACTGGCATGGGGGGATCTCAGAGCTTACAGGCTGAGC  
CAAGCCCACGGCCATGCACAGGGACACTCACACAGGCACACGCACCTGCTCTCC  
ACCTGGACTCAGGCCGGGCTGGGCTGTGGATCCTTGATCCCCCTCCCCTCCCCATG  
CTCTCCTCCCTCAGCCTTGCTACCCTGTGACTTACTGGGAGGAGAGTCACCTGAA  
GGGGAACATGAAAAGAGACTAGGTGAAGAGAGGGCAGGGGAGCCACATCTGG

GGCTGGCCCCACAATACCTGCTCCCCCGACCCCCTCCACCCAGCAGTAGACACAGT  
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5 SEQ ID NO: 589

>20014 BLOOD Hs.347 gnl|UG|Hs#S3990 Human mRNA for lactoferrin /cds=(294,2429)  
/gb=X53961 /gi=34415 /ug=Hs.347 /len=2619

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10 GAGTCCTGTCTTGCCTCAGGGCTTTTCGGAGCCTGGATCCTCAAGGAACAAGTAG  
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CGGGGCCCTCGGACTGTGTCTGGCTGGCCGTAGGAGAAGGAGTGTTCAAGTGGTG  
15 CGCCGTATCCCAACCCGAGGCCACAAAATGCTTCCAATGGCAAAGGAATATGAG  
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TATACGAGGCAGGCCTGGCCCCCTACAACTGCGACCTGTAGCGGCGGAAGTCT  
ACGGGACCGAAAGACAGCCACGAACTCACTATTATGCCGTGGCTGTGGTGAAGA  
20 AGGGCGGCAGCTTTCAGCTGAACGAACTGCAAGGTCTGAAGTCCTGCCACACAG  
GCCTTCGCAGGACCGCTGGATGGAATGTCCCTACAGGGACACTTCGTCCATTCTT  
GAATGAGGACGGGTCCACCTGAGCCATTGAGGAGCTGTGGCCAGGTTCTTCTCA  
GCGAGCTGTGTTCCCGGTGCAGATAAAGGACAGTTCCCCAACCTGTGTGCGCTGT  
GTGCGGGGACAGGGGAAAACAAATGTGCTTCTCTCCAGGAACCGTACTTCA  
25 GCTACTCTGGTGCCTTCAAGTGTCTGAGAGACGGGGCTGGAGACGTGGCTTTTAT  
CAGAGAGAGCACAGTGTGTTGAGGACCTGTCAGACGAGGCTGAAAGGGACGAGTA  
TGAGTTACTCTGCCCAGACAACACTCGGAAGCCAGTGGACAAGTTCAAAGACTG  
CCATCTGGCCCCGGGTCCCTTCTCATGCCGTTGTGGCACGAAGTGTGAATGGCAAG  
GAGGATGCCATCTGGAATCTTCTCCGCCAGGCACAGGAAAAGTTTGGAAAGGAC  
30 AAGTCACCGAAATTCCAGCTCTTTGGCTCCCCTAGTGGGCAGAAAGATCTGCTGT  
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GTACCTTGGCTCCGGCTACTTCACTGCCATCCAGAACTTGAGGAAAAGTGAGGAG  
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35 TCGGCCTCCACCACAGAGGACTGCATCGCCCTGGTGCTGAAAGGAGAAGCTGAT  
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40 GGACAGGACTGCAGGCTGGAATATCCCCATGGGCCTGCTCTTCAACCAGACGGG  
CTCCTGCAAATTTGATGAATATTTCAAGTCAAAGCTGTGCCCTGGGTCTGACCCG  
AGATCTAATCTCTGTGCTCTGTGTATTGGCGACGAGCAGGGTGAGAATAAGTGCG  
TGCCCAACAGCAACGAGAGATACTACGGCTACACTGGGGCTTTCCGGTGCCTGG  
CTGAGAATGCTGGAGACGTTGCATTTGTGAAAGATGTCACTGTCTTGCAGAACAC  
45 TGATGGAAATAACAATGAGGCATGGGCTAAGGATTTGAAGCTGGCAGACTTTGC  
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TCTTGCCATGGCCCCGAATCATGCCGTGGTGTCTCGGATGGATAAGGTGGAACGC  
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 5 TGGGGCCTTGGCTCCCCTGCTGAAGGTGGGGATTGCCCATCCATCTGCTTACAAT  
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 AAAA

SEQ ID NO: 590

10 >20031 BLOOD gi|35521|emb|X54936.1|HSPLGF H.sapiens mRNA for placenta growth  
 factor (PlGF)

GGGATTCGGGCGGCCAGCTACGGGAGGACCTGGAGTGGCACTGGGCGCCCGAC  
 GGACCATCCCCGGGACCCGCCTGCCCTCGGGCGCCCCGCCCGGGGCCGCTCC  
 CCGTCGGGTTCCCCAGCCACAGCCTTACCTACGGGCTCCTGACTCCGCAAGGCTT  
 15 CCAGAAGATGCTCGAACCACCGGCCGGGGCCTCGGGGCAGCAGTGAGGGAGGC  
 GTCCAGCCCCCACTCAGCTCTTCTCCTCCTGTGCCAGGGGCTCCCCGGGGGATG  
 AGCATGGTGGTTTTCCCTCGGAGCCCCCTGGCTCGGGACGTCTGAGAAGATGCCG  
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 CTGTGCCCCCCCAGCAGTGGGCCTTGTCTGCTGGGAACGGCTCGTCAGAGGTGGA  
 20 AGTGGTACCCTTCCAGGAAGTGTGGGGCCGCAGCTACTGCCGGGCGCTGGAGAG  
 GCTGGTGGACGTCGTGTCCGAGTACCCAGCGAGGTGGAGCACATGTTACAGCCC  
 ATCCTGTGTCTCCCTGCTGGGCTGCACCCGGCTGCTGCGGCGATGAGAATCTGCAC  
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 GGGACCGGCCCTCCTACGTGGAGCTGACGTTCTCTCAGCACGTTCTGCTGCGAATG  
 25 CCGGCCTCTGCGGGAGAAGATGAAGCCGGAAAGGTGCGGCGATGCTGTTCCCCG  
 GAGGTAACCCACCCCTTGGAGGAGAGAGACCCCGCACCCGGCTCGTGTATTTATT  
 ACCGTCACACTCTTCAGTGACTCCTGCTGGTACCTGCCCTCTATTTATTAGCCAAC  
 TGTTTCCCTGCTGAATGCCTCGCTCCCTTCAAGACGAGGGGCAGGGAAGGACAG  
 GACCCTCAGGAATTCAGTGCCTTCAACAACGTGAGAGAAAGAGAGAAGCCAGCC  
 30 ACAGACCCCTGGGAGCTTCCGCTTTGAAAGAAGCAAGACACGTGGCCTCGTGAG  
 GGGCAAGCTAGGCCCCAGAGGCCCTGGAGGTCTCCAGGGGCTGCAGAAGGAAA  
 GAAGGGGGCCCTGCTACCTGTTCTTGGGCCTCAGGCTCTGCACAGACAAGCAGCC  
 CTTGCTTTTCGGAGCTCCTGTCCAAAGTAGGGATGCGGATTCTGCTGGGGCCGCCA  
 CGGCCTGGTGGTGGGAAGGCCGGCAGCGGGCGGAGGGGATTACGCCACTTCCCC  
 35 CTCTTCTTCTGAAGATCAGAACATTACAGCTCTGGAGAACAGTGGTTGCCTGGGGG  
 CTTTTGCCACTCCTTGTCCTCCCGTGATCTCCCTCACACTTTGCCATTTGCTTGTAC  
 TGGGACATTGTTCTTTCCGGCCGAGGTGCCACCACCCTGCCCCCACTAAGAGACA  
 CATAACAGAGTGGGCCCCGGGCTGGAGAAAGAGCTGCCTGGATGAGAAACAGCTC  
 AGCCAGTGGGGATGAGGTCACCAGGGGAGGAGCCTGTGCGTCCCAGCTGAAGGC  
 40 AGTGGCAGGGGAGCAGGTTCCCAAGGGCCCTGGCACCCCCACAAGCTGTCCCT  
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SEQ ID NO: 591

45 >20039 BLOOD Hs.2064 gn|UG|Hs#S1973578 Human DNA sequence from clone RP11-  
 124N14 on chromosome 10. Contains the VIM gene for vimentin, the DNMT2 gene for DNA  
 methyl transferase 2, the 5' end of the gene for intrinsic factor-B12 receptor precursor, ESTs,  
 STSs, GSSs and two putative CpG islands /cds=(492,1892) /gb=AL133415 /gi=7160477  
 /ug=Hs.2064 /len=2215

CCACGCCCCCTTTGGCGTGGTGCCACCGGACCCCTCTGGTTTCAGTCCCAGGCGGAC  
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AGACTATCATCCGGAAAGCCCCCAAAGTCCCAGCCCAGCGCTGAAGTAACGGG  
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5 ACCCGCCCCACCCTCCCCGCTTCTCGCTAGGTCCCTATTGGCTGGCGCGCTCCGCG  
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15 ATCAACACCGAGTTCAAGAACACCCGCGACCAACGAGAAGGTGGAGCTGCAGGAG  
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20 ATCATGCGCCTCCGGGAGAAATTGCAGGAGGAGATGCTTCAGAGAGAGGAAGCC  
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CCAAATCGATGTGGATGTTTCCAAGCCTGACCTCACGGCTGCCCTGCGTGACGTA  
25 CGTCAGCAATATGAAAGTGTGGCTGCCAAGAACCTGCAGGAGGCAGAAAGAATGG  
TACAAATCCAAGTTTGTGCTGACCTCTCTGAGGCTGCCAACCAGGAACAATGACGCC  
TGCGCCAGGCAAAGCAGGAGTCCACTGAGTACCGGAGACAGGTGCAGTCCCTCA  
CCTGTGAAGTGGATGCCCTTAAAGGAACCAATGAGTCCCTGGAACGCCAGATGC  
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30 GCCGCTGCAGGATGAGATTCAGAATATGAAGGAGGAAATGGCTCGTCACCTTC  
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CTACAGGAAGCTGCTGGAAGGCGAGGAGAGCAGGATTTCTCTGCCTCTTCCAAA  
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35 TTATCAACGAACTTCTCAGCATCACGATGACCTTGAATAAAAATTGCACACACT  
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GTTTACAACATAATCTAGTTTACAGAAAAATCTTGTGCTAGAATACTTTTTAAAA  
40 GGTATTTTGAATACCATTAATAACTGCTTTTTTTTTTCCAGCAAGTATCCAACCAAC  
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SEQ ID NO: 592

&gt;20082 BLOOD 025811\_Mm.1 X61800 g50378 Mouse mRNA for C/EBP delta. 0

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AATGTACCTTAGCTGCAATGGTAATAAGACGTAGAAAATGCTACCATTATAAAA  
AATAATTTAAGGGGAAAGATTAATATAGCTTCTCTCGCAGTCCAGTGCCCAAGCT  
GCAGCTTCTGTGCTCGCTCGCAGGTCCCAAAGGAACTTGCCGATCCGGCCGGCGTCT



GCTCCCCGCCTGTCGGGGTCTGAGGTATAGGTCGTTTCAGAGTCTCAAAGGCCAC  
 GCCGCGCGTTACCGGCAGTCGGCGCCGGTGGCGCGGCAGGAAAGGCGGGGCTGGG  
 CAGTTTTTTGAAAAAACTGCCGGAGGCCAGCCAGGTCCCGGGTGTAGCTGCTCCAC  
 GCGCTGATGCAGCTTCTCGTTCTCGCCCGACAACTCCACCAGCTTCTGCTGCATCT  
 5 CCTGGTTGCGGCGCTTGGCCTTGTGCGCGGCTCTTGCGCACAGCGATGTTGTTGCG  
 CTCGCGCCGCTGCCGGTACTCCGGGGTGCCGCGGTCCGGACCCCTCTTGCCCGCG  
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 GCTCCGGCGAAGTGGGTGGAGT

10 SEQ ID NO: 593

>20091 BLOOD 235852.13 M15395 g186933 Human leukocyte adhesion protein (LFA-  
 1/Mac-1/p150,95 family) beta subunit mRNA. 0

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 AGACTGGTAGCAAAGCCCCACGCCAGCCAGGAGCACCGCCGAGGACTCCAGC  
 15 ACACCGAGGGACATGCTGGGCCTGCGCCCCCACTGCTCGCCCTGGTGGGGCTGC  
 TCTCCCTCGGGTGCCTCTCTCAGGAGTGCACGAAGTTCAAGGTCAGCAGCTG  
 CCGGGAATGCATCGAGTCGGGGCCCGGCTGCACCTGGTGCCAGAAGCTGAACTT  
 CACAGGGCCGGGGGATCCTGACTCCATTCGCTGCGACACCCGGGCCACAGCTGCTC  
 ATGAGGGGCTGTGCGGCTGACGACATCATGGACCCCAACAAGCCTCGCTGAAACC  
 20 CAGGAAGACCACAATGGGGGCCAGAAGCAGCTGTCCCCACAAAAAGTGACGCTT  
 TACCTGCGACCAAGGCCAGGCAGCAGCGTTCAACGTGACCTTCCGGGCGGGCCAAG  
 GGGTACCCCATCGACCTGTACTATCTGATGGACCTCTCCTACTCCATGCTTGATGA  
 CCTCAGGAATGTCAAGAAGCTAGGTGGCGACCTGCTCCGGGGCCCTCAACGAGAT  
 CACCGAGTCCGGCCGCATTGGCTTCGGGTCCTTCGTGGACAAGACCGTGCTGCCG  
 25 TTCGTGAACACGCACCCTGATAAGCTGCGAAACCCATGCCCAACAAGGAGAAA  
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SEQ ID NO: 594

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 20 binding hormone receptor  
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SEQ ID NO: 595

yr12e06.s1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:205090 3'  
 30 similar to gb|M87905|HUMALND184 Human carcinoma cell-derived Alu RNA transcript,  
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SEQ ID NO: 596

>20244 BLOOD 113392.11 AJ225028 g3892593 Human mRNA for GABA-B R1a receptor.  
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SEQ ID NO: 597

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SEQ ID NO: 598

40 >20804 BLOOD 1095729.1 D29990 g484049 Human mRNA for cationic amino acid  
transporter 2, complete cds. 0

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10 TGGCTTTATGCCTTATGGCTTTACGGGAACGTTGGCTGGTGCTGCAACTTGCTTTT  
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25 CTGGAGCCTCGCTCTCCTCGCGCTGTTTCTTGTCTCTTTCGTTGCCATCGTTCTCAC  
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SEQ ID NO: 599

&gt;20816 BLOOD 1102307.12 M14058 g179643 Human complement C1r mRNA, complete cds. 0

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SEQ ID NO: 600

5 >20825 BLOOD 1000084.27 AF022375 g3719220 Human vascular endothelial growth  
factor mRNA, complete cds. 0

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5 SEQ ID NO: 601

>20881 BLOOD GB\_R98877 gi|985478|gb|R98877|R98877 yq67f04.r1 Soares fetal liver  
spleen 1NFLS Homo sapiens cDNA clone IMAGE:200863 5' similar to contains Alu  
repetitive element;; mRNA sequence [Homo sapiens]

10 GCTTTTATACACAACGTTTTTGTAGGCATCACAGTTTTGCAACCTCTGCTCCAAA  
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SEQ ID NO: 602

>20921 BLOOD 478620.65 S62138 g386158 TLS/CHOP=hybrid gene {translocation  
breakpoint} [Human, myxoid liposarcomas cells, mRNA Mutant, 1682 nt]. 0

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30 SEQ ID NO: 603

>20929 BLOOD 896499.1 X60111 g34768 Human mRNA for MRP-1. 0

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 40 AAGAGCATCTTCGAGCAAGAACTAATAATAATAATTCAGCTTCTACACAGGA  
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 45 AAACCAAGGATGAGCCCCAGCGGGAACGCTGAAAGCCATCCACTATGCGTTGA  
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 CAAGTGCTGCTTCAGCAAGACCCGTTCTGCCTGTGAAAGGGCCCCAGGGCACCC

ATCTCTTTCTCTCCCACTTTGGGGCCCTCTGTTTACTCAAGGGCAATAAAACAAAG  
 GCCGGACCAGGGGAATGACAAGTGTTCTGGCACCGCCCACTGCTGCCAGCCCGG  
 AAGCTCTCAAGGGGAGGGCGTGCTTCTGAGTCTTGGACTCCCACTCTGACTTTGTC  
 AGTGGCTCCTGTCTGTAAAGCCAGAGTTAATGTCCAACCTCCAGAATAGTAAAAGGT  
 5 GACCTTACAACCATGTCAGAAATAGACCCCCAAGCAGGGGCTGTCCCTCCTCCTTC  
 CCTGACGTCTGCCCAGATTTTAGGGATCCACTAGCATAGCCATCCCTTTGTTCGC  
 CTTTTCATCCACCAGCCAGAACTTCTCTTATCCCCGAACACTCCTGTCCCCAGCCC  
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 TGCCCTGGGAGGAAGGATTGTGTGTGACCCAGGTCTTGGTTTGTCTCCCCAAGTC  
 10 CTGTCCTGATGCCATCAAAGAGGTCTTCGACAATAAATTCCACATCATCGGCGCA  
 GTGGGCATCGGCATTGCCGTGGTCATGATATTTGGCATGATCTTCAGTATGATCT  
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 GGTCAGGGATGTAAGCTGACTCTAGACCAGGAAAGTTTACCCATGAAGATTGNN  
 NNN  
 15 NNN  
 CTTTATGTTTGTCTTTTAATGCTTCATTCAATATTGACATTTGTAGTTGAGCGGGG  
 GGTTTGGTTTGTCTTTGGTTTATATTTTTTTCAGTTGTTTGTCTTTTGTCTTATATTA  
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 GTACATAAAAGAATTTTTTTGTCTTTAAATAGATACAAATGTCTATCAACTTTAAT  
 20 CAAGTTGTAACCTTATATTGAAGACAATTTGATACATAATAAAAAATTATGACAAT  
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SEQ ID NO: 604

>20937 BLOOD 476760.8 AF030455 g3169829 Human epithelial V-like antigen precursor

25 (EVA) mRNA, complete cds. 0

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 TCTGGGAAAACGCGGTGCTTGCTCCTCCCGGAGTGGCCTTGGCAGGGTGTTGGAG  
 CCCTCGGTCTGCCCCGTCCGGTCTCTGGGGCCAAGGCTGGGTTTCCCTCATGTAT  
 GGCAAGAGCTCTACTCGTGCGGTGCTTCTTCTCCTTGGCATAACAGCTCACAGCTC  
 30 TTGGCCTATAGCAGCTGTGGAAATTTATACCTCCCGGGTGCTGGAGGCTGTAA  
 TGGGACAGATGCTCGGTTAAATGCACTTTCTCCAGCTTTGCCCTGTGGGTGAT  
 GCTCTAACAGTGACCTGGAATTTTCGTCTCTAGACGGGGGACCTGAGCAGTTTG  
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 GGTGTCTTGGGATGGGAATCCTGAGCGGTACGATGCCTCCATCCTTCTCTGAAA  
 35 CTGCAGTTCGACGACAATGGGACATACACCTGCCAGGTGAAGAACCCACCTGAT  
 GTTGATGGGGTGATAGGGGAGATCCGGCTCAGCGTCGTGCACACTGTACGCTTCT  
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 40 AGAGAAAAAGGTCTCTGTTTATTTAGAAGACACAGACTAACAAATTTTAGATGGA  
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 45 TCAAGTGCTCATTAGGTTTTATAACAAGAAGCTACATTTTTTGCCCTTAAGATAC  
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 CCAATTTGTCTGTTACATTTTCTTTTACGTATTTCTTTTAGCAGCACTTCTGCTACT  
 AAAGTTAATGTGTTTACTCTCTTTTCTTCCACATTCTCAATTAAAAGGTGAGCTA  
 AGCCTCCTCGGTGTTTCTGATTAACAGTAAATCCTAAATTCAAACCTGTAAATGA



CATTTTTATTTTTATGTCTCTCCTTAACCTATGAGACACATCTTGTTTTACTGAATTT  
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5 GGAAAAATAATCAACAATGTGGGTCTTTCATGAGCAGTGACGGATAGTTTAGCTT  
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10 TCTTTTTTAATTCTAATTCACCTTGTTTATTTTTGGGGGAGGAAGACTTTGGTATGGA  
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15 CTGCAGATGTTTTTTCTTTTAAACAACTGGAATTTTCAAACAGATTATCTGTATTT  
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GAAGGCTATATATCCTTTAATCACATTTTATATTTTTTCTTCACAATTCTAACCTTT  
20 GAAAATATTATAACTGGATATTTCTTCAAACAGATGTCCTGGATGATGGTCCATA  
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AGCTTATGTCTTGGCTAAATAGTCAAGGGGTAAATATGGGCCTGTTGTTTAGTGTC  
TCCTTCCTAAAGAGCACTTTTGTATTGTAATTTATTTTTTATTATGCTTTAAACACT  
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25  
SEQ ID NO: 605  
>20969 BLOOD INCYTE\_3358822T6  
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30 AGCTCAGGCAGGGGGTGCTCCTGAGTTTCTGTGTGAGATTCCCCAAGCACAGATA  
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TCCTGCAGTAGCTCCAAACAGGGTTGTGGAGCTGGTGGGGAAAGTTGGGGGTAG  
GGGAAAGTTGGGGGTAGGGGAAATTTTGGGCAGTGCCTTCATCAGCCNGTCCT  
AGAGAGAGTAGAGGGGAATGGAAGTGGGGGGAACNNNCTGGGGNCAAGAGAA  
35 GAGGGGNNGT

SEQ ID NO: 606  
>20988 BLOOD 233843.3 AK001972 g7023569 Human cDNA FLJ11110 fis, clone  
PLACE1005921, weakly similar to AIG1 PROTEIN. 0  
40 ATCAGGTGGGCAGGTCCCTTGACAAAGTAAATCTGGACAGCTCCTCCCCTCACTT  
CCTCTCTTCTCCTGTTTCTCAACATCCTGGCTTAGTATTGTGTGCAAAATCAGAGA  
GGGGTGCAAGATCCTGATTTTTTCAGGAGTTCAAGCGACAATGGCAGCCCAATAC  
GGCAGTATGAGCTTCAACCCAGCACACCAGGGGCCAGTTATGGGCCTGGAAGG  
CAAGAGCCCAGAAATTCCCAATTGAGAATTGTGTTAGTGGGTAAAACCGGAGCA  
45 GGAAAAAGTGCAACAGGAAACAGCATCCTTGGCCGGAAAGTGTTTCATTCTGGC  
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GAAACAGAACTTGTCGTAGTTGACACACCAGGCATTTTCGACACAGAGGTGCCC  
AATGCTGAAACGTCCAAGGAGATTATTCGCTGCATTCTTCTGACCTCCCCAGGGC  
CTCATGCTCTGCTTCTGGTGGTTCCACTGGGCCGTTACACTGAGGAAGAGCACAA

AGCCACAGAGAAGATCCTGAAAATGTTTGGAGAGAGGGCTAGAAGTTTCATGAT  
TCTCATATTCACCCGGAAAGATGACTTAGGTGACACCAATTTGCATGACTACTTA  
AGGGAAGCTCCAGAAGACATTCAAGACTTGATGGACATTTTCGGTGACCGCTACT  
GTGCGTTAAACAACAAGGCAACAGGCGCTGAGCAGGAGGCCAGAGGGGCACAG  
5 TTGCTGGGCCTGATCCAGCGCGTGGTGAGGGAGAACAAGGAAGGCTGCTACACT  
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GCAAGAACTCCACAGAGTGGAGCTGGAGAGAGAGAAAGCGCGGATAAGAGAGG  
AGTATGAAGAGAAAATCAGAAAGCTGGAAGATAAAGTGGAGCAGGAAAAGAGA  
AAGAAGCAAATGGAGAAGAACTAGCAGAACAGGAGGCTCACTATGCTGTAAG  
10 GCAGCAAAGGGCAAGAACGGAAGTGGAGAGTAAGGATGGGATACTTGAATTAA  
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TAAACTTAATGAAAATCTGTTTGTATTTTCTGCATATTCTCTGGCAACCTTGCCCC  
ATACTTACTTATTTAGCATAGTCGAGTGCTCTAGTTTCTGTCTCTCAGGCACTCGT  
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15 GGACAAATTTTCAATTTGTGAAACTCCAAAGCAGAAAGTATTGGTGCTTGCTACC  
TTGTGAATTCTTCCTTAGACATGCAGAGAAAATGTATGCAAGAGACCAAAAAGA  
TGGCTCCAAGCTATGTCATGTTACCTGTAATAAAATCTTTTCTTCTAGATTCTTTC  
TATGTTGGCAGATAATCTCCCCTTGTAGCTTCCACTCACTTATTCTTGCATTCAGA  
GTCACAATGATCATCTTACCCATGTGGTTTTTGAGAAAGAAAGATCAATTCTTTG  
20 TTTGCAGTAGGTAATCTTAGAGATGGAGATGATTGTAGAATTATTCCTAGATGAG  
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GTTTCATTGAAGAACAGAGACCTGTCTGGAAAATCGATCTCTACAAATTCAATTAA  
ATAATGATCCCCAAATGCTGAAAAAGTGAAATACAGCAATTCAACAGATAATAG  
AGCAATGTTTAGTATATTCAGCTGTATCTGTAGAAACTCTTTGACGAACCTCAAT  
25 TTAACCAATTTGATGAATACCCAGTTCTCTTCTTTTCTAGAGAAAGATAGTTGCA  
ACCTCACCTCCCTCACTCAACACTTTGAATACTTATTGTTTGGCAGGTCATCCACA  
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30 SEQ ID NO: 607

>21053 BLOOD INCYTE\_g1967662

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NN  
35 NNNNNNNNNNNNNCTGACCCAGTCACATTAAATGTAGGTGGACACTTGTATACAAC  
GTCTCTCACCACATTGACGCGTTACCCGATTCCATGCTTGGAGCTATGTTTGGG  
GGGGACTTCCCCACAGCTCGAGACCCTCAAGGCAATTACTTTATTGATCGAGATG  
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TTGGATTTT

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SEQ ID NO: 608

>21057 BLOOD INCYTE\_g819904

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45 AACTGTGAATATAAGCTTTTGGTGCTTGCTATGGAAAAATCAAATCAATAGCTTT  
AATGTCTTCTTACAATCTCATTTTGTTCCTACTATAGCTCTGTTTTAGTTAGNATCTG  
CACATCTGTTTTGCTCCAGGGTAGTTAATTTNGCCAGTTCAGTTTCTCTGTAGGAT  
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SEQ ID NO: 609

>21063 BLOOD 474850.14 AF118224 g6647301 Human matriptase mRNA, complete cds. 0  
GCCTGCCGGACGCCTCCCATGTCTTCCCTGCCGGCAAGGCCATCTGGGTACAGGG  
CTGGGGACACACCCAGTATGGAGGCACTGGCGCGCTGATCCTGCAAAAGGGTGA  
5 GATCCGCGTCATCAACCAGACCACCTGCGAGAACCTCCTGCCGCAGCAGATCAC  
GCCGCGCATGATGGTGATTCCGGGGGACCCCTGTCCAGCGTGGAGGCGGATGGG  
CGGATCTTCCAGGCCGGTGTGGTGAGCTGGGAGACGGCTGCGCTCAGAGGAACA  
AGCCAGGCGTGTACACAAGGCTCCCTCTGTTTCGGGACTGGATCAAAGAGAACA  
CTGGGGTATAGGGGGCCGGGGCCACCCAAATGTGTACACTGCGGGGCCACCCATC  
10 GTCCACCCCACTGTGCACGCCTGCAGGCTGGAGACTGGACCGCTGACTGCACCA  
GCGCCCCCAGAACATACTGTGAATCAATCTCCAGGGCTCCAAATCTGCCTAG  
AAAACCTCTCGCTTCTCAGCCTCCAAAGTGGAGCTGGGAGGTAGAAGGGGAGG  
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CCCCGCCAGCCCCAAGCTGGGGCCGAGGCGCGTTTGTGTATATCTGCCTCCCCTGT  
15 CTGTAAGGAGCAGCGGGAACGGAGCTTCGGAGCCTCCTCAGTGAAGGTGGTGGG  
GCTGCCGGATCTGGGCTGTGGGGCCCTTGGGCCACGCTCTTGAGGAAGCCCAGG  
CTCGGAGGACCCTGGAAAACAGACGGGTCTGAGACTGAAATTGTTTTACCAGCT  
CCCAGGGTGGACTTCAGTGTGTGTATTTGTGTAAATGAGTAAAACATTTATTCTT  
TTT

SEQ ID NO: 610

>21080 BLOOD 1218745.1 X04366 g29663 Human mRNA for calcium activated neutral  
protease large subunit (muCANP; calpain, EC 3.4.22.17). 0

CAGATCTGGATGGAGTTGTGACCTTTGACTTGTTTAAGTGGTTGCAGCTGACCAT  
25 GTTTGCATGAGGCAGGGACTCGGTCCCCCTTGCCGTGCTCCCCCTCCCTCCTCGTCT  
GCCAAGCCTCGCCTCCTACCACACCACACCAGGCCACCCAGCTGCAAGTGCCTT  
CCTTGGAGCAGAGAGGCAGCCTCGTCCTCCTGTCCCCCTCTCCTCCCAGCCACCAT  
CGTTCATCTGCTCCGGGC

SEQ ID NO: 611

>21089 BLOOD 478379.2 U58913 g4204907 Human chemokine (hmrp-2a) mRNA,  
complete cds. 0

GGAAGCAGTGAGCCCAGGAGTCCTCGGCCAGCCCTGCCTGCCCACCAGGAGGAT  
GAAGGTCTCCGTGGCTGCCCTCTCCTGCCTCATGCTTGTTACTGCCCTTGGATCCC  
35 AGGCCCCGGGTCACAAAAGATGCAGAGACAGAGTTCATGATGTCAAAGCTTCCAT  
TGGAATAATCCAGTACTTCTGGACATGCTCTGGAGGAGAAAGATTGGTCCTCAGAT  
GACCCTTTCTCATGCTGCAGGATTCCATGCTACTAGTGCTGACTGCTGCATCTCCT  
ACACCCACGAAGCATCCCGTGTTCACTCCTGGAGAGTTACTTTGAAACGAACAG  
CGAGTGCTCCAAGCCGGGTGTCATCTTCCTACCAAGAAGGGGCGACGTTTCTGT  
40 GCCAACCCCACTGATAAGCAAGTTCAGGTTTGCATGAGAATGCTGAAGCTGGAC  
ACACGGATCAAGACCAGGAAGAATTGAACTTGTCAAGGTGAAGGGACACAAGTT  
GCCAGCCACCAACTTTCTTGCTCAACTACCTTCCTGAATTATTTTTTTAAGAAGC  
ATTTATTCTTGTGTTCTGGATTTAGAGCAATTCATCTAATAAACAGTTTCTCACTT  
AAAAAAA

SEQ ID NO: 612

>21097 BLOOD 197014.6 AF095742 g4588081 Human serine protease ovasin mRNA,  
complete cds. 0

GTGCAGGAGGAGAAGGAGGAGGAGCAGGAGGTGGAGATTCCCAGTTAAAAGGC  
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TCCGAATCAGTAGGTGACCCCGCCCCTGGATTCTGGAAGACCTCACCATGGGACG  
CCCCCGACCTCGTGCGGCCAAGACGTGGATGTTCTTGCTCTTGCTGGGGGGAGCC  
5 TGGGCAGGACACTCCAGGGCACAGGAGGACAAGGTGCTGGGGGGTTCATGAGTGC  
CAACCCCATTCGCAGCCTTGGCAGGCGGCCTTGTTCCAGGGGCCAGCAACTACTCT  
GTGGCGGTGTCCTTGTAGGTGGCAACTGGGTCCCTTACAGCTGCCCAGTGTAAAAA  
ACCGAAATACACAGTACGCCTGGGAGACCACAGCCTACAGAATAAAGATGGCCC  
AGAGCAAGAAATACCTGTGGTTCAGTCCATCCCACACCCCTGCTACAACAGCAG  
10 CGATGTGGAGGACCACAACCATGATCTGATGCTTCTTCAACTGCGTGACCAGGCA  
TCCCTGGGGTCCAAAGTGAAGCCCATCAGCCTGGCAGATCATTGCACCCAGCCTG  
GCCAGAAGTGCACCGTCTCAGGCTGGGGCACTGTCACCAGTCCCCGAGAGAATT  
TTCCTGACACTCTCAACTGTGCAGAAGTAAAAATCTTTCCCCAGAAGAAGTGTGA  
GGATGCTTACCCGGGGCAGATCACAGATGGCATGGTCTGTGCAGGCAGCAGCAA  
15 AGGGGCTGACACGTGCCAGGGCGATTCTGGAGGGCCCCCTGGTGTGTGATGGTGC  
ACTCCAGGGCATCACATCCTGGGGCTCAGACCCCTGTGGGAGGTCCGACAAACC  
TGGCGTCTATACCAACATCTGCCGCTACCTGGACTGGATCAAGAAGATCATAGGC  
AGCAAGGGCTGATTCTAGGATAAGCACTAGATCTCCCTTAATAAACTCACAACCTC  
TCTGAAAAAAAAAAAA

SEQ ID NO: 613

>21102 BLOOD INCYTE\_3090747H1  
CTTCTTTGTTAGGCTGTGTCTCCCTAANCCCTTGNCCCCACCCAGAGTTTCCCGTC  
CCCTTCACTGATTTCTGTTGTTCTGCTGACTGTGTGGGTGGAATGTCCCAAGAAA  
25 AGTGCATCTGGGAATTGCCAGTCCAGCTGGGTAGTCCCAGGCTCCTGTCTTGGGG  
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CCCTAGGGTCACTGCTTCACTAGCCGCNNCCCCACCCAG

SEQ ID NO: 614

30 >21104 BLOOD 987163.5 AF082182 g3435251 Human inwardly rectifying potassium  
channel Kir7.1 gene, complete intron, and partial cds. 0  
GTTTGCCATTTTCTCTTTCCTGATAGAGTACAGCTGAGACCCGGACACTGGTTAG  
AGGGCTAGGTCGGGTGTTGGCCACTTGGAAGATAAGATTAGGTTTGCCATCCATG  
TGAGCTACTACTGCTATGTCAGTAAAGCGAATTGAAAAAGCTCGATTTTTTTGGCC  
35 GGGCAATCTTCGCCACAAAAGCACCTAAATAAGAAATTATTGATTTTTTTTTTAGA  
ATGAAGACTTTAAATATCAATACTTTTTCTGAATGACAAGTGTATATCAAATATT  
TACACATTTCTTGGTGCCATGCCTTTCAGTGAGTCAGGAATTGAACTCATTGTAA  
TTTGGTCAGTCTTATTTGCCTGAAGCATTTTTCAAAGTACATTTCTGTTTAAAAAC  
CATGATTTTCAAGATAGATAAGCAAAATGATTTTGTACAGAGAAATGTAAACTT  
40 CATCCTCTAGTTTCTTACAAAGTCAAAGAATTGGTCATTTCTATATTCTGCCTG  
TGCTTAAAAAAAAAGTAATAGAAAATAAATGCAACTTGGCTACAGCCAGATTACG  
TTGAAGTAGAGACTAGGTTTCAAGTAGAATGATTTGGGATGGGGAGGGGACCAA  
TAGAATGAGTGATATT

SEQ ID NO: 615

45 >21140 BLOOD 104171.1 AF037447 g6466790 Human ribosomal S6 protein kinase mRNA,  
complete cds. 0  
AATTCACCAGGTAAGTTACAAGAAGATCAGGTCTTCCTTCATCAGTACCACTGAC  
ATCATCAAAAGCAGCATCTTTAAATGAAATAAAGTGGCACTGAGTCATCTGAGCCC

CTGCTAATGGTGTCTGAGCTTTAAACTCTACCTTGCTTTCACTAGTATTA AAACT  
CCTAGAAGCACTGTCTCCATCTGGAAGAGTAAAGAATGGTTTCAGTGCTTCTAGG  
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AGGGGCTCAGATGACTCAGTGCCAGTTATTTTCATTTAAAGATGCTGCTTTTGATG  
5 ATGTCAGTGGTACTGATGAAGGAAGACCTGATCTTCTTGTAATTTACCTGGTGA  
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AGGCTTAGTACTGAACAATGCCAAGCACATGAGGAGAAAGGCATAGAGGAACTG  
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10 GAGGATCCCAGGATGTTATTTGTAGCAGCTGTTGATCATAGTAGTTCAGGAGATA  
TGTCTTTGTTACCCAGCTCAGATCCTAAGTTTCAAGGACTTGAGTGGTTGAGTC  
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TCAGGTGCTAATGAATATATTGCAAGCACAGACACTTTAAAAACAGAAGAAGTA  
TTGCTGTTTACAGATCAGACTGATGATTTGGCTAAAGAGGAACCAACTTCTTTAT  
15 TCCAGAGAGACTCTGAGACTAAGGGTGAAAGTGGTTTAGTGCTAGAAGGAGACA  
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GTTTTACATCCCAGAGGGCTGCATTCAAAGATGGGCAGCTGAAATGGTGGTAGC  
CCTTGATGCTTTACATAGAGAGGGAATTGTGTGCCGCGATTTGAACCCAAACAAC  
ATCTTATTGAATGATAGAGGACACATTCAGCTAACGTATTTTAGCAGGTGGAGTG  
20 AGGTTGAAGATTCCTGTGACAGCGATGCCATAGAGAGAATGTACTGTGCCCCAG  
AGGTTGGAGCAATCACTGAAGAACTGAAGCCTGTGATTGGTGGAGTTTGGGTG  
CTGTCTCTTTGAACTTCTCACTGGCAAGACTCTGGTTGAATGCCATCCAGCAGG  
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TCACTCATTC AACAGCTCTTGCAGTTCAATCCTCTGGAACGACTTGGTGCTGGAG  
25 TTGCTGGTGTGTAAGATATCAAATCTCATCCATTTTTTACCCTGTGGATTGGGCA  
GAACTGATGAGATGAACGTAATGCAGGGTTATCTTCACACATTCTGATCTTCTCT  
GTGACAGGCATCTCCAGCACTGAGGCACCTCTGACTCACAGTTACTTATGGAGCA  
CCAAAGCATTTGGATAAAGACCGTTATAGGAAATGGGGGGGAAATGGCTAAAAG  
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30 ATACATATATACACAACCAAGGTGTGATCTGAATTTAATCCACATTTGGTGTGTC  
AGATGAGTTGTAAAGCCAACTGAAAGAGTTTCTTCAAGAAGTTTCTCTGATAGG  
AAGCTAGAAGTGTAGAATGAAGTTTACTTGACAGAAGGACCTTTACATGGCAG  
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TAATAATACACTAAAAGTATATGAACAATGTCATCAATGAACTTAAAAGCGAG  
35 AAAAAAGAATATACACATAATTTCTGACGGAACCTGTACCCTGATGCTGTATA  
ATGTATGTTGAATGTGGTCCCAGATTATTTCTGTAAGAAGACACTCCATGTTGTC  
AGCTTTGTACTCTTTGTTGATACTGCTTATTTAGAGAAGGGTTCATATAAACACTC  
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GCTTGTTCCCTCATATTCTGTTCTTCCGACTCCTGCTAACACACATGCAACAAAAA  
40 AGGGAAGGGAGTGCTTATTTCCCTTTGTGTAAGGACTAAGAAATCATGATATCAA  
ATAAACATGGTGAAACATTAGATCTTCTTTCATTTAATAANNNNNNNNNNNNNN  
NNNNNNNNNGAAGAAATGCGTCTGTTCCCTTTCCTTGTGAAATATTATCAGTTTCTA  
CCATTGCTTCTCATGCTTGACTTTGTTTTACTTTTTGGCTTGGTATACTAAGAAGC  
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45 ATGAGATTTTCAGA

SEQ ID NO: 616

>21152 BLOOD 221063.3 U78181 g1871169 Human sodium channel 2 (hBNaC2) mRNA,  
complete cds. 4e-12

CATCCATTTCATCGATTTCGCGCATTCTCCAGACCTTTACAGCCTGTGCTGGGGTACTG  
GAGACTCCCTGGGTGGGGGCCCTGAGGGCCCGTGCTTCTGCCCCACCCCTGCAA  
CCTGACACGCTATGGGAAAGAGATCTCCATGGTCAGGATCCCCAACAGGGGCTC  
AGCCCGGTACCTGGCGAGGAAGTACAACCGCAACGAGACCTACATACGGGAGAA  
5 CTTCCTGGTCCTAGATGTCTTCTTTGAGGCCCTGACCTCTGAAGCCATGGAGCAG  
CGAGCAGCCTATGGCCTGTCAGCCCTGCTGGGAGACCTCGGGGGACAGATGGGC  
CTGTTTCATTGGGGGCCAGCATCCTCACGTTGCTGGAGATCCTCGACTACATCTATG  
AGGTGTCCTGGGATCGACTGAAGCGGGTATGGAGGCGTCCCAAGACCCCCCTG  
GGGACCTCCACTGGGGGCATCTCCA

10

SEQ ID NO: 617

>21181 BLOOD 410188.1 M77235 g184038 Human cardiac tetrodotoxin-insensitive  
voltage-dependent sodium channel alpha subunit (HH1) mRNA, complete cds. 0

15

GCCGCTGAGCCTGCGCCCAGTGCCCCGAGCCCCGCGCCGAGCCGAGTCCGCGCC  
AAGCAGCAGCCGCCACCCCGGGGCCCGGCCGGGGGACCAGCAGCTTCCCCACA  
GGCAACGTGAGGAGAGCCTGTGCCCAGAAGCAGGATGAGAAGATGGCAAACCTTC  
CTATTACCTCGGGGCACCAGCAGCTTCCGCAGGTTACACGGGAGTCCCTGGCAG  
CCATCGAGAAGCGCATGGCGGAGAAGCAAGCCCGCGGCTCAACCACCTTGCAGG  
AGAGCCGAGAGGGGCTGCCCCGAGGAGGAGGCTCCCCGGCCCCAGCTGGACCTGC  
20 AGGCCTCCAAAAAGCTGCCAGATCTCTATGGCAATCCACCCCAAGAGCTCATCG  
GAGAGCCCCTGGAGGACCTGGACCCCTTCTATAGCACCCAAAAGACTTTCATCGT

20

ACTGAATAAAGGCAAGACCATCTTCCGGTTCAGTGCCACCAACGCCTTGTATGTC  
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CTTCTCAACATGCTCATCATGTGCAACCATCCTCACCAACTGCGTGTTCATGGCCCA

25

GCACGACCCTCCACCCTGGACCAAGTATGTCGAGTACACCTTCACCGCCATTTAC  
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SEQUENCE ID NO: 618

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SEQ ID NO: 619

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SEQ ID NO: 620

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 35 ATTCCCCAGCCTCTGCTGGTAGCATGTCGCAGTTTCCATGTGTTTCAGGATCTTCG  
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 TAAAA

SEQ ID NO: 621

>21224 BLOOD 197014.6 AF095742 g4588081 Human serine protease ovasin mRNA,  
complete cds. 0

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 45 TCCAGAATCGTGTACCAGGCAGAGAACTGAAGTACTGGGGCCTCCTCCACTGGG  
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 CCCCCGACCTCGTGCGGCCAAGACGTGGATGTTCTCTGCTCTTGCTGGGGGGGAGCC  
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 CAACCCCATTCGCAGCCTTGGCAGGCGGCCTTGTTCCAGGGCCAGCAACTACTCT

GTGGCGGTGTCCTTGTAGGTGGCAACTGGGTCCTTACAGCTGCCCACTGTAAAAA  
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 CGATGTGGAGGACCACAACCATGATCTGATGCTTCTTCAACTGCGTGACCAGGCA  
 5 TCCCTGGGGTCCAAAGTGAAGCCCATCAGCCTGGCAGATCATTGCACCCAGCCTG  
 GCCAGAAGTGCACCGTCTCAGGCTGGGGCACTGTCACCAGTCCCCGAGAGAATT  
 TTCCTGACACTCTCAACTGTGCAGAAGTAAAAATCTTTCCCCAGAAGAAGTGTGA  
 GGATGCTTACCCGGGGCAGATCACAGATGGCATGGTCTGTGCAGGCAGCAGCAA  
 AGGGGCTGACACGTGCCAGGGCGATTCTGGAGGCCCCCTGGTGTGTGATGGTGC  
 10 ACTCCAGGGCATCACATCCTGGGGCTCAGACCCCTGTGGGAGGTCCGACAAACC  
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15 SEQ ID NO: 622

>21240 BLOOD 255990.12 AJ011497 g4128014 Human mRNA for Claudin-7. 0

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 40 GGGAGAGTGTGCTTTTTGTACAGTAATAAAAAATAAGTATTGGGAAGCAGGCTTT  
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 CCTTAGTGCACCTACTTCAGTTCAGAACACTTAGCACCCCACTGACTCCACTGAC  
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SEQ ID NO: 623

>21270 BLOOD INCYTE\_1381683H1

GCTTATTCAC TTTGIGTTTTCTTTTGTTTTATTTTGTCCAATTTTGTCTTTAGCTGTG  
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AGAACACTGGCTTAATTCAAGTCAGTTGATTTTTTTTCTATTAAAACTGTTGTAA  
AATATTTTTTAAAAACAAAACATTATTTGTGCCCTCTTTTATATATGTCAAAGGGA  
CACTGTCAAGTATTTTCATTT

SEQ ID NO: 624

>21285 BLOOD 1008401.7 M17783 g183063 Human glia-derived nexin (GDN) mRNA, 5' end. 0

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CCCCTGGGGATCCAGCGAGCGCGGTCGTCTTTGGTGGAAGGAACCATGAACTGG  
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AATCCTCTGTCTCTCGAGGAACTAGGCTCCAACACGGGGATCCAGGTTTTCAATC  
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GTGTATTTCAAGGGTCTGTGGAAATCACGGTTCCAACCCGAGAACACAAAGAAA  
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20 NNGTTTCTGCTGCATGAGTTT  
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25 AGGGTTTGGAGCTGCGGGAGTGCTGGCAACAGAAGGTAAACTAGTGGCCGTGGA  
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30 CGTGTGTCCAATTCATCTATTAATTCTTGCCACTCCTGATCATTGAGATTAATGT  
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35 CAAAGAAGGTTTTCAGGTCAAGTTGGTGAAGAGGAGAAGCTGAAGGCAGTGGCAT  
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CGTTTGCTAGTCGGAGAAAAATTCCCATCACAAAGCACCATTCTGCTGGTCTCCAT  
TAAGTGGTGATCGAGCTCCTTCCAACCTTCTTTTACAGTCTCTTGTAGCATGATC  
AGCGTGTGGTTCTCTGCTCCGCCGAGGCAGCCTCCGCATCTTGCTGGGGTTTGC  
40 TCGGGTGCTGCTGTTTGCCGGTGCCGGCGCCCGATTCTTGGCCCTCTGCTCCAGG  
TCCGC

SEQ ID NO: 625

&gt;21292 BLOOD INCYTE\_157873H1

45 AGTAGCGTGACTACGTTTAAAACGGAGCAGCCAGGTGCTCCAAGCCCAGGTTTC  
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TTCCAGGAAATACGGTCAGTAACCTGGGANCTGAGTGNCTTANGGGTCCAGAA  
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SEQ ID NO: 626

&gt;21294 BLOOD INCYTE\_1594625F6

5 GGANATGGAAGGCAATGACNGCNACGAGGGCTCTGTGTGGANATGTTCAAGGNG  
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GTACGGCGTTCCNGAGGNACAACGGCACCTGGAAGGGAATGGTNGGNGAGCTG  
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10 SEQ ID NO: 627

>21298 BLOOD 441249.1 AF086432 g3483777 Human full length insert cDNA clone  
ZD79H11.0

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20 GTCACAATTCAGGCAACAGGAGCGACGGGCCAGGAAAGAACACCACCCTTCACA  
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30 ATACGGCAGTCACCTATGTGAACAGCTGCTTGTGTTGTGGCCGTGCTGGTGATTCT  
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AGTCACTTAGACAGGCTTTTAGATGAATCTGCACAAAAAATCCTATATTACTGCA  
35 AAGAAATTACACTTTTCTTGTCTGCGTGTAATGTTTGCCTGGATCCAATAATTTAC  
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CCAGGAGTGAAAGCATCAGATCACTGCAAAGTGTGAGAAGATCGGAAGTTCGCA  
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40

SEQ ID NO: 628

>21307 BLOOD 336954.1 AF033383 g2739502 Human potassium channel mRNA,  
complete cds. 0

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 10 GTTCCCGCTGACGCGCCTGGGCCAGCTCAAGGCCTGCACCAACTTCGACGACATC  
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 25 CGCCTGGCGCGCCACTCCCTGGGGCTGCAGACGCTGGGGCTCACGGCCCGCCGCT  
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 30 TGAGCGGCATCCTGCTCATGGCCTTCCCAGTCACCTCCATCTTCCACACCTTCTCC  
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 35 ACGCCTGGAGAGGGACAGGCCGCTTCCGAGTGCAGTCCTGGCGCAGCACCGACT  
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 AGAACATCAGCAGAGGGGGCCCTGCCCCCTCCGCCTGCAGCCGTGAAAGGAAGCTG  
 GGTCATCAGCCCAGCCCCGCCACCCACGCCCTATGTGTGTTTCCCTCAATAAG  
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SEQ ID NO: 629

>21310 BLOOD 246163.2 AK002158 g7023867 Human cDNA FLJ11296 fis, clone

PLACE1009731, weakly similar to AIG1 PROTEIN. 0

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 CCTCCTTAAGTGCCTGCTCAACCTCCCTCAGCCCTGTGAACAGCATCCCCGCA  
 CACAGACGCAGAGCAGGACTCTCTGCTGCCACTTCACCTTCTGAGAGAGGAC

CAGCGGCCAGAGCCTCAGTGACTGCCACCCTGGAGGACAGGGGCACAACAACCGT  
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5 CGTGTTTGAGTCCAAGCTGAGGGGCCAGTCAGTGACCAGGACGTGCCAGGTGAA  
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10 GCCATGAGACATGTGGTCATCCTCTTCACCCACAAAGAGGACTTAGGGGGCCAG  
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15 AGAACTGGAGCTGGGGCCTGCCAGGAAGACTACAGGCAGTACCAGGCCAAAGTG  
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20 CATTGTTCTAATAATCACCAATTCAGACTCAGATCCTCGTGGTCTATGGAGCATG  
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CAACAACCTGCTTCAGGAATGGGCCTGAGATCCCATGCAGGTCCCTGAGAAGTGA  
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25 CCTCCCTGGCATTGTGGGGTCTGGGCGTGACACTGGGACTCTCAGCAGCTTTGTG  
CTGCCAACCTGAGATTGAAGGCAGTGCCTCAGAGCAGCACAGAGAGTTGGGGCC  
CCCTGAGCCCTGAGCCACCAGCCCTGCAGCCTGCCCTATCTCCGCATTTCAGTT  
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SEQ ID NO: 630

>21313 BLOOD 271789.7 M94055 g456678 Human voltage-gated sodium channel mRNA,  
complete cds. 0

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SEQ ID NO: 631

>21321 BLOOD INCYTE\_078114H1

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25 SEQ ID NO: 632

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45 SEQ ID NO: 633

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SEQ ID NO: 634

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 TCCTGTTCTTCCCTACATAAAATGCAAGAAAACAGCATGGCCAGTAAACTGAGCA  
 AGGGCCTTGGAATCCTTGAGAATCACATTTATGTGCTTATGATTACGGGCAAGCT  
 15 AATTAACCTTGTTGAATCTCAGATTCCCCATTTGCAACATTAGGTAAAGACCAGT  
 ACTGCAGGATTGTTGCACTAAATGAAATACTGTATGTGAAGTGCCTGGCACAGTG  
 TCTGGTACATTTGTGTTTAATAAAAGCTAACTCCATGTTCAT

SEQ ID NO: 636

20 >21384 BLOOD 403324.1 AF027957 g2739108 Human G-protein-coupled receptor  
 (GPR35) gene, complete cds. 0

TGGGAAGAGGATCTGTCCAGGGGTTAGACCTTCAAGGGTGACTTGGAGTCTTTA  
 CGGCAOCCATGCTTTCTTGAGGAGTTTGTGTTTGTGGGTGTGGGGTCTGGGCGCTC  
 ACCTCCTCCCACATCCTGCCCCAGAGGTGGGCAGAGTGGGGGCAGTGCCTTGCTCC  
 25 CCCTGCTCGCTCTCTGCTGACTCCGGCTCCCTGTGCTGCCCCAGGACCATGAATG  
 GCACCTACAACACCTGTGGCTCCAGCGACCTCACCTGGCCCCAGCGATCAAGCT  
 GGGCTTCTACGCCTACTTGGGCGTCTGCTGGTGCTAGGCCTGCTGCTCAACAGC  
 CTGGCGCTCTGGGTGTTCTGCTGCCGCATGCAGCAGTGGACGGAGACCCGCATCT  
 ACATGACCAACCTGGCGGTGGCCGACCTCTGCCTGCTGTGCACCTTGCCCTTCGT  
 30 GCTGCACTCCCTGCGAGACAGCCTCAGACACGCCGCTGTGCCAGCTCTCCCAGGG  
 CATCTACCTGACCAACAGGTACATGAGCATCAGCCTGGTCACGGCCATCGCCGTG  
 GACCGCTATGTGGCCGTGCGGCACCCGCTGCGTGCCCCGCGGGCTGGCGGTCCCCC  
 AGGCAGGCTGCGGCGCGTGTGCGCGGTCTCTGGGTGCTGGTCATCGGCTCCCTGG  
 TGGCTCGCTGGCTCCTGGGGATTGAGGAGGGCGGCTTCTGCTTCAGGAGCACCCG  
 35 GCACAATTTCAACTCCATGGCGTTCCCGCTGCTGGGATTCTACCTGCCCTGGCC  
 GTGGTGGTCTTCTGCTCCCTGAAGGTGGTGACTGCCCTGGCCCAGAGGCCACCCA  
 CCGACGTGGGGCAGGCAGAGGCCACCCGCAAGGCTGCCCGCATGGTCTGGGCCA  
 ACCTCCTGGTGTTCGTGGTCTGCTTCCTGCCCTGCACGTGGGGCTGACAGTGCG  
 CCTCGCAGTGGGCTGGAACGCCTGTGCCCTCCTGGAGACGATCCGTCGCGCCCTG  
 40 TACATAACCAGCAAGCTCTCAGATGCCAACTGCTGCCTGGACGCCATCTGCTACT  
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 TAAGGCCACAAAAGCCAGGACTCTCTGTGCGTGACCCTCGCCTAAGAGGCGTG  
 CTGTGGGCGCTGTGGGCCAGGTCTCGGGGGCTCCGGGAGGTGCTGCCTGCCAGG  
 GGAAGCTGGAACAGTAGCAAGGAGCCCGGGATCAGCCCTGAACTCACTGTGTA  
 45 TTCTCTTGGAGCCTTGGGTGGGCAGGGACGGCCAGGTACCTGCTCTCTTGGGAA  
 GAGAGAGGGACAGGGACAAGGGCAAGAGGACTGAGGCCAGAGCAAGGCCAATG  
 TCAGAGACCCCCGGGATGGGGCCTCACACTTGCCACCCCCAGAACCAGCTCACCT  
 GGCCAGAGTGGGTTCCTGCTGGCCAGGGTGCAGCCTTGATGACACCTGCCGCTGC  
 CCCTCGGGGCTGGAATAAACTCCCCACCCAGAGTCAGTCCTAGTGGGGCCCTCT

GTGTTTTCGCACTCGTGTGGTGGGAGGCAGGGAGGGAGCGCGTGGCTCGGAGGGC  
 TGGCGGACATCTTCCAGGGACCCTTCGGGGCTCTTCACTTTGAGGTCCCCCTTGG  
 ACCCTTTCACCCCTTCCCACCCCCACCCACCTGGAGCGTGAGCAGGGGGCTGTTGG  
 AAGCTCCTGGCAGGACCACAGTAGAGGCCCCCAGCCCAGGTTTCCTTGCTCAAG  
 5 ACAGGGCTGGGAGCAGCTGATCTCCATGTAGGGGCTGCAACAGCGGTGCAAGGG  
 GGGGTGAACCAAGGTCAAGCAGGTGAGGGTGGGTGGGGTGGGTGGCAGTGAA  
 GGGGGTGGCCAGGGTCTGTCAAGGAACCCAGCCCTCTTCTCCTTCCTTCAGGNAC  
 AGGCTGGAACCATNTCTAGGCAGGGGGCAGGGGTGGGTGCCCACTCAGGTAAAG  
 GCACGATGTCTTGCTGGTTTC

10

SEQ ID NO: 637

>21387 BLOOD 014253.1 CAA04483.1 g2326776 sodium/glucose symporter-like protein  
 8e-42

CTGGCAGCAATGGGGCCTGGAGCTTCAGGGGACGGGGTCAGGACTGAGACAGCT  
 15 CCACACATAGCACTGGACTCCAGAGTTGGTCTGCACGCCTACGACATCAGCGTGG  
 TGGTCATCTACTTTGTCTTCGTCATTGCTGTGGGGATCTGGTCGTCCATCCGTGCA  
 AGTCGAGGGGACCATTGGCGGCTATTTCTGGCCGGGAGGTCCATGAGCTGGTGG  
 CCAATTGGAGCATCTCTGATGTCCAGCAATGTGGGCAGTGGCTTGTTTCATCGGCC  
 TGGCTGGGACAGGGGCTGCCGGAGGCCTTGCCGTAGGTGGCTTCGAGTGGAACG  
 20 CAACCTGGCTGCTCCTGGCCCTTGCTGGGTCTTCGTCCCTGTGTACATCGCAGC  
 AGGTGTGGTCACAATGCCGCAGTATCTGAAGAAGCGATTTGGGGGCCAGAGGAT  
 CGAGGTGTACATGTCTGTCTCTCTCATCCTCTACATCTTCACCAAGATCTCGGA  
 TAGGTGTCACTGCAATGTGGTCACTGTGTCTGGAAATGCTAATTAGGGAACTGCT  
 GAGTGCATCACCATGTGCGTGTGCTGAGGGGGAAGCTGACAATCACTGTTGAAA  
 25 AAAAGGAAAGCAGGACCTATAAACATTTAATGCATGTTCTGCCTCAGCACTGGG  
 GTAC

SEQ ID NO: 638

>21390 BLOOD 300437.18 M94046 g187393 Human zinc finger protein (MAZ) mRNA. 0

GAATTCCGGGGGTTCCGGCGCTCCGCGGCCCAAGCGCCCTCCTTTCTCCCTCC  
 30 GCCGGCCGGGGTTGCGGGCGCGGGGCGCCGCGGGGCCATGCGATCTCGGCGCGGGC  
 CCAGCCCCGGCCGGCGGCGCCCCGCCCCCGCTGGAGCCCTGGGGGGCCCCGCTGCG  
 GCCGAGGCCATGTTCCCGGTGTTTCCTTGACGCTGCTGGCCCCCCCCCTTCCCCGT  
 GCTGGGCCTGGACTCCCGGGGGGTGGGCGGCCTCATGAACTCCTTCCCGCCACCT  
 35 CAGGGTCACGCCCAGAACCCCTGCAGGTCGGGGCTGAGCTCCAGTCCCGCTTCT  
 TTGCCTCCCAGGGCTGCGCCCAGAGTCCATTCCAGGCGCGCCGGCGCCCCCGCC  
 CACGCCCCAGGCCCCGGCGGCGAGCCCTCCAGGTGGACTTGCTCCCGGTGCTC  
 GCCGCCGCCAGGAGTCCGCCGCGGCTGCTGCGGCCTGCTGCCGCCGCTGCTGCC  
 GCCGTGCTGCCGCGCCCCCGGCCCTGCCGCCGCTCTACGGTGGACACAGCGG  
 40 CCCTGAAGCAGCCTCCGGCGCCCCCTCCGCCACCCCCGCCAGTGTGCGCGCCCGC  
 GGCCGAGGCCGCGCCCCCGCCTCCGCCGCCACTATCGCCGCGGCGGCGGCCAC  
 CGCCGTCGTAGCCCCAACCTCGACGGTCGCCGTGGCCCCGGTCGCGTCTGCCTTG  
 GAGAAGAAGACAAAGAGCAAGGGGCCCTACATCTGCGCTCTGTGCGCCAAGGAG  
 TTCAAGAACGGCTACAATCTCCGGAGGCACGAAGCCATCCACACGGGAGCCAAG  
 45 GCCGGCCGGGTCCCCTCGGGTGCTATGAAGATGCCGACCATGGTGCCCCTGAGCC  
 TCCTGAGCGTGCCCCAGCTGAGCGGAGCCGGCGGGGGAGGGGGAGAGGCGGGT  
 GCCGGCGGCGGCGCTGCCGCAGTGGCCGCCGGTGGCGTGGTGACCACGACCGCC  
 TCGGGGGAAGCGCATCCGGAAGAACCATGCCTGCGAGATGTGTGGCAAGGCCTT  
 CCGCGACGTCTACCACCTGAACCGACACAAGCTGTCGCACTCGGACGAGAAGCC

25- AAGTCAAGGGGAGCAGGAGGAAGAGCCAGGAGGGCCAGAGGCAGAGAAGAGA  
TGGAGTCTTAGGGGCCAGGGTGAGCGAGGGGTCCAGGGGCCTAGAGGTGCTTCCT  
GGGGGGGGGGAATGCAGCCAGTGTCCGCCCTCCCCTCTTCCACCCCAGCTCCAGC  
CCTGGTCTTGTCTTTTCATCCCTCTTCCCCACGACAGAAGAAGTTGTGGCCCTGGC  
CATGTCATCGTGTTCTGTGTCCCCTGCATGTACCCACCCCTCCACCCCTTCCTTT  
TGC GCGGACCCATTACAATAAATTTTAAATAAAATCCTGTTTCTGGCTCTGGAA  
AA

30 SEQ ID NO: 639

>21406 BLOOD 040519.2 AF103796 g4185795 Human placenta-specific ATP-binding cassette transporter (ABCP) mRNA, complete cds. 0

35 GCGCCTCCACGCGCGGCCGCCGCGACGTGATCGCTCGGGCGCGCCGGGGCGTGG  
TTGGGGGAAGGGGTTGTGCCGCGCGACGGTCTGCGTGCTGTGCCCACTCAAAG  
GTTCCGGGCGCGCAGGAGGGAAGAGGCGAGTGCTCGCCACTCCCACTGAGATTGA  
GAGACGCGGCAAGGAGGCAGCCTGTGGAGGAACTGGGTAGGATTTAGGAACGC  
ACCGTGACATGCTTGGTGGTCTTGTTAAGTGGAAACTGCTGCTTTAGAGTTTGT  
TGAAGGTCCGGGTGACTCATCCCAACATTTACATCCTTAATTGTTAAAGCGCTG  
40 CCTCCGAGCGCACGCATCCTGAGATCCTGAGCCTTTGGTTAAGACCGAGCTCTAT  
TAAGCTGAAAAGATAAAAACTCTCCAGATGTCTTCCAGTAATGTCGAAGTTTTTA  
TCCCAAGTGTCACAAGGAAACACCAATGGCTTCCCCGCGACAGCTTCCAATGACCT  
GAAGGCATTTACTGAAGGAGCTGTGTAAAGTTTTTCATAACATCTGCTATCGAGTA  
AACTGAAGAGTGGCTTTCTACCTTGTGCGAAAACCAAGTTGAGAAAGAAATATTAT  
CGAATATCAATGGGATCATGAAACCTGGTCTCAACGCCATCCTGGGACCCACAG  
45 GTGGAGGCAAATCTTCGTTATTAGATGTCTTAGCTGCAAGGAAAGATCCAAGTGG  
ATTATCTGGAGATGTTCTGATAAATGGAGCACCGCGACCTGCCAATTTCAAATGT  
AATTCAGGTTACGTGGTACAAGATGATGTTGTGATGGGCACCTCTGACGGTGAGA  
GAAAACCTTACAGTTCTCAGCAGCTCTTCGGCTTGCAACAACTATGACGAATCATG  
AAAAAAACGAACGGATTAAACAGGGTCATTCAAGAGTTAGGTCTGGATAAAGTGG

CAGACTCCAAGGTTGGAAGCTCAGTTTATCCGTGGTGTGTCTGGAGGAGAAAGAA  
 AAAGGACTAGTATAGGAATGGAGCTTATCACTGATCCTTCCATCTTGTCTTGGAG  
 TGAGCCTACAAGTGGCTTAGACTCAAGCACAGCAAATGCTGTCCTTTTGCTCCTG  
 AAAAGGATGTCTAAGCAGGGACGAACAATCATCTTCTCCATTCATCAGCCTCGAT  
 5 ATTCCATCTTCAAGTTGTTTGATAGCCTCACCTTATTGGCCTCAGGAAGACTTATG  
 TTCCACGGGCCTGCTCAGGAGGCCTTGGGATACTTTGAATCAGCTGGTTATCACT  
 GTGAGGCCTATAATAACCCCTGCAGACTTCTTCTTGGACATCATTAATGGAGATTC  
 CACTGCTGTGGCATTAAACAGAGAAGAAGACTTTAAAGCCACAGAGATCATAGA  
 GCCTTCCAAGCAGGATAAGCCACTCATAGAAAAATTAGCGGAGATTTATGTCAA  
 10 CTCCTCCTTCTACAAAGAGACAAAAGCTGAATTACATCAACTTTCCGGGGGGTGAG  
 AAGAAGAAGAAGATCACAGTCTTCAAGGAGATCAGCTACACCACCTCCTTCTGT  
 CATCAACTCAGATGGGTTTCCAAGCGTTCATTCAAAAACCTTGCTGGGTAATCCCC  
 AGGCCTCTATAGCTCAGATCATTGTACAGTCTGACTGGGACTGGTTATAGGTGC  
 CATTTACTTTGGGCTAAAAAATGATTCTACTGGAATCCAGAACAGAGCTGGGGTT  
 15 CTCTTCTTCTGACGACCAACCAGTGTTCAGCAGTGTTCAGCCGTGGAAGTCTT  
 TGTGGTAGAGAAGAAGCTCTTCATACATGAATACATCAGCGGATACTACAGAGT  
 GTCATCTTATTTCTTGGAAAACCTGTTATCTGATTTATTACCCATGAGGATGTTAC  
 CAAGTATTATATTTACCTGTATAGTGTACTTCATGTTAGGATTGAAGCCAAAGGC  
 AGATGCCTTCTTCGTTATGATGTTTACCCTTATGATGGTGGCTTATTCAGCCAGTT  
 20 CCATGGCACTGGCCATAGCAGCAGGTCAGAGTGTGGTTCCTGTAGCAACACTTCT  
 CATGACCATCTGTTTTGTGTTTATGATGATTTTTTCAGGTCTGTTGGTCAATCTCA  
 GAACCATTCATCTTGGCTGTCATGGCTTCAGTACTTCAGCATTCCACGATATGG  
 ATTACGGCTTTGCAGCAATAATGAATTTTGGGACAAAACCTTCTGCCCAGGACTC  
 AATGCAACAGGAAACAATCCTTGTAAGTATGCAACATGTACTGGGGAAGAATAT  
 25 TTGGTAAAGCAGGGCATCGATCTCTCACCCCTGGGGCTTGTGGAAGAATCACGTGG  
 CCTTGGCTTGTATGATTGTTATTTTCTCACAATTGCCTACCTGAAATTGTTATTTT  
 TTAAAAAATATTCTTAAATTTCCCTTAATTCAGTATGATTTATCCTCACATAAAA  
 AAGAAGCACTTTGATTGAAGTATTCAATCAAGTTTTTTTGTGTTTTCTGTTCCCT  
 TGCCATCACACTGTTGCACAGCAGCAATTGTTTTAAAGAGATACATTTTATAGAAA  
 30 TCACAACAACTGAATTAAACATGAAAGAACCCAAGACATCATGTATCGCATAT  
 TAGTTAATCTCCTCAGACAGTAACCATGGGGAAGAAATCTGGTCTAATTTATTAA  
 TCTAAAAAAGGAGAATTGAATTCTGGAAACTCCTGACAAGTTATTACTGTCTCTG  
 GCATTTGTTTCTCATCTTTAAAATGAATAGGTAGGTTAGTAGCCCTTCAGTCTTA  
 ATACTTTATGATGCTATGGTTTGCCATTATTTAATAAATGACAAATGTATTAATGC  
 35 TATACTGGAAATGTAAAATTGAAAATATGTTGGAAAAAAGATTCTGTCTTATAGG  
 GTAAAAAAGCCACCGTGATAGAAAA

SEQ ID NO: 640

>21416 BLOOD 094071.9 M87068 g179896 Human CaN19 mRNA sequence. 0

40 CTCCCCTTCCCCTGTGGCCTGGGTGGGCTCAGGGGCTGCCCTTGACCTGGCCT  
 AGAGCCCTCCCCCAGCTGGTGGTGGAGCTGGCACTCTCTGGGAGGGAGGGGGCT  
 GGGAGGGAATGAGTGGGAATGGCAAGAGGCCAGGGTTTGGTGGGATCAGGTTG  
 AGGCAGGTTTGGTTTCTTAAATGCCAAGTTGGGGGCCAGTGGGGCCACATAT  
 AAATCCTCACCCCTGGGAGCCTGGCTGCCTTGCTCTCCTTCTGGGTCTGTCTCTGC  
 45 CACCTGGTCTGCCACAGATCCATGATGTGCAGTTCTCTGGAGCAGGCGCTGGGCT  
 GTGCTGGTCACTACCTTCCACAAGTACTCCTGCCAAGAGGGGCGACAAGTTCAAGC  
 TGAGTAAGGGGGAAATGAAGGAACCTTCTGCACAAGGAGCTGCCCAGCTTTGTGG  
 GGGAGAAAGTGGATGAGGAGGGGCTGAAGAAGCTGATGGGCAGCCTGGATGAG  
 AACAGTGACCAGCAGGTGGACTTCCAGGAGTATGCTGTTTTCTGGCACTCATCA



CTGTCATGTGCAATGACTTCTTCCAGGGCTGCCCAGACCGACCCTGAAGCAGAAC  
TCTTGACTTCCTGCCATGGATCTCTTGGGCCAGGACTGTTGATGCCTTTGAGTTT  
TGTATTCAATAAACTTTTTTTGTCTGTTGATAATATTTTAATTGCTCAGTGATGTTT  
CATAACCCGGCTGGCTCAGCTGGAGTGCTGGGAGATGAGGGCCTCCTGGATCCT  
5 GCTCCCTTCTGGGCTCTGACTCTCCTGGAAATCTCTCCAAGGCCAGAGCTATGCTT  
TAGGTCTCAATTTTGGAAATTTCAAACACCAGCAAAAAATTGGAAATCGAGATAG  
GTTGCTGACTTTTATTTTGTCAAATAAAGATATT

SEQ ID NO: 641

10 >21419 BLOOD 406378.10 M29696 g186365 Human interleukin-7 receptor (IL-7) mRNA,  
complete cds. 0

CAGGGCTGGCTTTTTTTTTTTTTTAATAAGATAGCTGGTGCCCAAGATTGTTTTCCAC  
CTTAAGGATAAAACCTGTAAAGAAAGCCTGAACAATTACAAAAAAGGAAGAAAA  
GGAGACTTGGCCAACCTGGTGTGAGGAGTCTTAACAAGGTCATAGTTTGCCAGCCC  
15 CTGCCCTAAACAAATAATTCTTGAATGCCTACTGTGGTGTGTAAGATATGAGTAA  
ATACCAGGGATACACAGAGAACAAAAGAGAAAAAAGTCTATTCTTGTGAAACTT  
GGAAGTTGGAGGAGACTTGGAAAGATGCAGAACTGGATGACTACTCATTCTCATG  
CTATAGCCAGTTGGAAGTGAATGGATCGCAGCACTCACTGACCTGTGCTTTTGAG  
GACCCAGATGTCAACACCACCAATCTGGAATTTGAAATATGTGGGGCCCTCGTGG  
20 AGGTAAAGTGCCTGAATTTCAAGAACTACAAGAGATATATTTTCATCGAGACAA  
AGAAATTCTTACTGATTGGAAAGAGCAATATATGTGTGAAGGTTGGAGAAAAGA  
GTCTAACCTGCAAAAAAATAGACCTAACCCTATAGTTAAACCTGAGGCTCCTTT  
TGACCTGAGTGTCTATCTATCGGGAAGGAGCAATGACTTTGTGGTGACATTTAAT  
ACATCACACTTGCAAAAGAAGTATGTAAAAGTTTAAATGCATGATGTAGCTTACC  
25 GCCAGGAAAAGGATGAAAACAAATGGAGGCATGTGAATTTATCCAGCACAAAGC  
TGACACTCCTGCAGAGAAAGCTCCAACCGGCAGCAATGTATGAGATTAAAGTTC  
GATCCATCCCTGATCACTATTTTAAAGGCTTCTGGAGTGAATGGAGTCCAAGTTA  
TTACTTCAGAACTCCAGAGATCAATAATAGCTCAGGGGAGATGGATCCTATCTTA  
CTAACCATCAGCATTTTGGAGTTTTTCTCTGTCGCTCTGTTGGTCATCTTGGCCTGT  
30 GTGTTATGGAAAAAAGGATTAAGCCTATCGTATGGCCCAGTCTCCCCGATCATA  
AGAAGACTCTGGAACATCTTTGTAAGAAACCAAGAAAAAATTTAAATGTGAGTT  
TCAATCCTGAAAGTTTCCTGGACTGCCAGATTTCATAGGGTGGATGACATTCAAGC  
TAGAGATGAAGTGGAAGGTTTTCTGCAAGATACGTTTCCTCAGCAACTAGAAGA  
ATCTGAGAAGCAGAGGCTTGGAGGGGATGTGCAGAGCCCCAACTGCCCATCTGA  
35 GGATGTAGTCATCACTCCAGAAAGCTTTGGAAGAGATTTCATCCCTCACATGCCTG  
GCTGGGAATGTCAGTGCATGTGACGCCCTATTCTCTCCTCTTCCAGGTCCCTAG  
ACTGCAGGGAGAGTGGCAAGAATGGGCCTCATGTGTACCAGGACCTCCTGCTTA  
GCCTTGGGACTACAAACAGCACGCTGCCCCCTCCATTTTCTCTCCAATCTGGAAT  
CCTGACATTGAACCCAGTTGCTCAGGGTCAGCCCATTTCTTACTTCCCTGGGATCA  
40 AATCAAGAAGAAGCATATGTCAACATGTCCAGCTTCTACCAAAACCAGTGAAGT  
GTAAGAAACCCAGACTGAACTTACCGTGAGCGACAAAGATGATTTAAAAGGGAA  
GTCTAGAGTTCCTAGTCTCCCTCACAGCACAGAGAAGACAAAATTAGCAAAACC  
CCACTACACAGTCTGCAAGATTCTGAAACATTGCTTTGACCACTCTTCCCTGAGTTC  
AGTGGCACTCAACATGAGTCAAGAGCATCCTGCTTCTACCATGTGGATTTGGTCA  
45 CAAGGTTTAAAGGTGACCAATGATTCAGCTATTTAAAAAAGAGGAAAGAA  
TGAAAGAGTAAAGGAAATGATTGAGGAGTGAGGAAGGCAGGAAGAGAGCATGA  
GAGGAAAGACAGACAGGAAAATAAAAAATGATAGTTGCCATTATTAGGATTTAA  
TATATATCCAGTGCTTTGCAAGTGCTCTGCGCACCTTGTCTCACTCCATCCTGACA  
ATAATCCTGGGAGGTGTGTGCAATTACTACGACTACTCTTTTTTTATAGATCATT

AAATTCAGAACTAAGGAGTTAAGTAACTTGTCCAAGTTGTTTACACACAGTGAAGG  
GAGGGGCCAAGATATGATGGCTGGGAGTCTAATTGCAGTTCCCTGAGCCATGTG  
CCTTTCTCTTCACTGAGGACTGCCCCATTCTTGAGTGCCAAACGTCACTAGTAAC  
AGGGTGTGCCTAGATAATTTATGATCCAAACTGAGTCAGTTTGGAAAGTGAAAG  
5 GGAAACTTACATATAATCCCTCCGGGACAATGAGCAAAAAGTGGCTATGAGAAAGA  
AGACAAATGTGAACATACATATCATCACTTAAATTTAAATGGCTATGAGAAAGA  
AAGAGGGGGGAGAAACAGTCTTGCGGGTGTGAAGTCCCATGACCAGCCATGTCAA  
AAGAAGGTAAAGAAGTCAAGAAAAAGCCATGAAGCCCATTTGATTTCATTTTTCT  
GAAAATAGGCTCAAGAGGGAATAAATTAGAACTCACAATTTCTCTTGTTTGTTA  
10 CCAAGACAGTGATTCTCTTGCTGCTACCAACCAACTGCATCCGTCCATGATCTCA  
GAGGAAACTGTCGCTGACCCTGGACATGGGTACGTTTGACGAGTGAGAGGAGGC  
ATGACCCCTCCCATGTGTATAGACACTACCCCAACCTAAATTCATCCCTAAATTG  
TCCCAAGTTCTCCAGCAATAGAGGCTGCCACAACTTCAGGGAGAAAGAGTTAC  
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15 GAGACGTATTATTAATGCTTGACATATATCATCTTGCCTTTCTTGGTCTAGACTGA  
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GCAGCAAACCCATCTCCACAGGCCTCCAAACCTGGCTGTTTACAGAACCCACA  
AAGGGCAGATGCTGCACAGAAAAGTGAAGAGGGGTCATAGGTTTATGGTTTTG  
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20 CTTTATTTAGGGGGACTAGGTGTTTTCTGATATTTTAGTTTTCTTGTTTGTGTTT  
TGTGTTGTCTGTGAATGGGGTTTTAACTGTGGATGAATGGACCTTATCTGTTGGCT  
TAAAGGACTGGTAAAATCAGACCATCTTATTCTTCAGGTGAATGTTTTACTTTCC  
TAAAGTGCTCTCCTCTGCACGAGCAGTAATAAATACAATGCCATAATCCCTTAGGT  
TTGCCTAGTGCTTTTGCAATTTTCAAAGCACTTCCATAAGCATTCCCTCCACCTCC  
25 TTGATAGGCATTTATGGAAAGCCTGCTACATGTCAATCATACTGTTAGGCACAGG  
GGACCTAAAGACACATAAAAGGATGGCATTCTGCCTCATAAATTGCAAAACCTA  
ATGAAAGTGACTGCTTGGTAAACAAATTATTATTATATTATAAAATGCTATAAAA  
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30 ATTTTTCATCAGTGGGCAGGTGTTCTTTACCTTTTGTAGAAATGGGAGTCAAGTCT  
CAAATAGGAGGCTCCACAAAATCTCATGCCAGGTCTCTGATACCTTATTCACAGA  
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ATTTTGTATCCCTGGTATAAATAGACAATCTCTCGAAGAAATGAAGAGATGACCA  
35 TAGAAAAACATCGAGATATCTCCAGCTCTAAAATCCTTTGTTTCAATGTTGTTTG  
GCATATGTTATCTTTGGAATTTAGTGTCTGAGCCTCTGTCTGTTACTGTAGTATTT  
AAAATGCATGTATTATAATCATATAATCATAACTGCTGTTAATTCTTGATTATATA  
CCTAGGGACAATGTGTAATGTAAGATTACTAATTGGTTCTGCCCAATCTCCTTTC  
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40 AGAAGTGTAAGTGGCAGTTCTATATAGCATGAAATGAAAAGACAGCTAATTTG  
GTCCAACAAACATGACTGGGTCTAGGGCACCCAGGCTGATTCAGCTGATTTCCCTA  
CCAGCCTTTGCCTCTTCCTTCAATGTGGTTTCCATGGGAATTTGCTTCAGAAAAGC  
CAAGTATGGGCTGTTTCAAGAGGTGCACACCTGCATTTTCTTAGCTCTTCTAGAGGG  
GCTAAGAGACTTGGTACGGGCCAGGAAGAATATGTGGCAGAGCTCCTGGAAATG  
45 ATGCAGATTAGGTGGCATTGTTTGTGAGCTCTGTGGTTTATTGTTGGGACTATTCTT  
TAAAATATCCATTGTTCACTACAGTGAAGATCTCTGATTTAACCGTGTACTATCC  
ACATGCATTACAAACATTTTCGCAGAGCTGCTTAGTATATAAGCGTACAATGTATG  
TAATAACCATCTCATATTTAATTAAATGGTATAGAAGAACAA

SEQ ID NO: 642

&gt;21422 BLOOD 354768.27 M18981 g179767 Human prolactin receptor-associated protein (PRA) gene, complete cds. 0

5 CCGAGCTGGCCTCCGGGGCACCGACCGCTATAAAGGCCAGTCGGACTGCGACAC  
AGCCCATCCCCTCGACCGCTCGCGTCGCATTTGGCCGCCTCCCTACCGCTCCAAG  
CCCAGCCCTCAGCCATGGCATGCCCCCTGGATCAGGCCATTGGCCTCCTCGTGGC  
CATCTTCCACAAGTACTCCGGCAGGGAGGGTGACAAGCACACCCTGAGCAAGAA  
GGAGCTGAAGGAGCTGATCCAGAAGGAGCTCACCATTGGCTCGAAGCTGCAGGA  
10 TGCTGAAATTGCAAGGCTGATGGAAGACTTGGACCGGAACAAGGACCAGGAGGT  
GAACTTCCAGGAGTATGTCACCTTCTGGGGGCCTTGGCTTTGATCTACAATGAA  
GCCCTCAAGGGCTGAAAATAAATAGGGAAGATGGAGACACCCTCTGGGGGTCCT  
CTCTGAGTCAAATCCAGTGGTGGGTATTGTACAATAACCCACCACTGGATTGTA  
CTCAGAGAGGACCCCCAGAGGGTGTCTCCATCTTCCCTATTTATTTTCAGCCCTTG  
AGGGCTTCATTGTAGATCAAAGCCAAGGCCCCCAGGAAGGTGACATACTCCTGG  
15 AAGTTCACCTCCTGGTCCTTGTTCCGGTCCAAGTCTTCCATCAGCCTTGCAATTC  
AGCATCCTGCAGCTTCGAGCCAATGGTGAGCTCCTTCTGGATCAGCTCCTTCAGC  
TCCTTCTTGCTCAGGGTGTGCTTGTACCCCTCCCTGCCGGAGTACTTGTGGAAGAT  
GGCCACGAGGAGGCCAATGGCCTGATCCAGGGGGCATGCCATGGCTGAGGGCTG  
GGCTTGGAGCTGGCACAGCACTGCTGCTCCTGACTATCCCTCCAGCGGGGGAGCG  
20 CCACAGATGGCCCCAGTCTGGATCCAGCGGCTGAACTGGGCAGGGGATGGCTGG  
ACCCCCAGCGTGAGGGCAGCTGGCCCTGGAAAGTACCCAGGGCTCCTGGAGAGA  
ACTCACCGGTAGGGAGGCGGCCAAATGCGACGCGAGC

SEQ ID NO: 643

&gt;21425 BLOOD 286742.1 AF105201 g4336773 Human G-protein alpha subunit 14 (Galpha14) mRNA, complete cds. 0

GGACGCGCGCCGTGAGCTTAAGCTGCTGCTGCTGGGAACTGGTGAAAGTGGGAA  
AAGCACCTTTATCAAGCAGATNGAATTATCCATGGGTCTGGTTACAGCGACGA  
AGACAGAAAGGGGTTACGAAGCTGGTTTACCAAAACATATTCACCGCCATGCA  
30 AGCCATGATCAGAGCGATGGACACGCTAAGGATACAGTATGTGTGTGAACAGAA  
TAAGGAAAATGCCCAGATAATCAGAGAAGTGGAAGTGGACAAGGTCTCCATGCT  
CTCCAGGGAGCAGGTGGAGGCCATCAAGCAGCTCTGGCAAGATCCAGGCATCCA  
GGAGTGTTACGACAGGAGGAGGGAGTACCAGCTGTGCGACTCTGCCAAATATTA  
CCTGACTGACATTGACCGCATCGCCACACCATCATTCGTGCCTACCCAACAAGAT  
35 GTGCTTCGCGTCCGAGTGCCACCAACCGGCATCATTGAGTATCCATTTGACTTGG  
AAAACATCATCTTTCGGATGGTGGATGTTGGTGGCCAACGATCGGAAAGACGGA  
AGTGGATTCACTGCTTTGAGAGTGTACCTCCATTATTTTCTTGGTTGCTCTGAGT  
GAATATGACCAGGTCCTGGCTGAGTGTGACAACGAGAATCGCATGGAAGAGAGC  
AAAGCCTTATTTAAAACCATCATCACCTACCCCTGGTTTCTGAATTCATCTGTGAT  
40 TTTATTCTTGAACAAGAAGGATCTTTTGGAAAGAGAAAATCATGTACTCTCATCTA  
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ACTCTCACTTCACATGTGCTACAGATACAGACAATATTCGCTTTGTGTTTGCTGCT  
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45 CTGCTGCCCACTCCTCCCCTATAACAGAAGATGTGATTTGCAAACCTCCTTGTTT  
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SEQ ID NO: 644

15 >21427 BLOOD 337355.1 AL050214 g4884452 Human mRNA; cDNA DKFZp586H2123  
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SEQ ID NO: 645

>21436 BLOOD 348119.3:U40215 g1594276 Human synapsin IIb mRNA, complete cds. 0  
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SEQ ID NO: 646

&gt;21463 BLOOD 251776.14 X53002 g33952 Human mRNA for integrin beta-5 subunit. 0

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35  
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SEQ ID NO: 648

40 >21518 BLOOD 244943.4 AJ001309 g3171907 Human mRNA for DnaJ protein. 0

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SEQ ID NO: 649

>21530 BLOOD 231654.4 AF056085 g3719225 Human GABA-B receptor mRNA,  
complete cds. 0

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SEQ ID NO: 650

>21545 BLOOD INCYTE\_3384890H1

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15 SEQ ID NO: 651

>21551 BLOOD 235484.21 AF135960 g7416899 Human latent transforming growth factor  
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SEQ ID NO: 652

>21553 BLOOD INCYTE\_3437994H1

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SEQ ID NO: 653

>21568 BLOOD 407563.4 Y17829 g4128042 Human mRNA for Homer-related protein Syn47.0

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